

Chapter 7

City of Folsom Stormwater Quality Improvement Plan



7.1 Introduction

The Folsom Stormwater Quality Improvement Plan (SQIP) provides information about the City's Stormwater Management Program, including a description of activities conducted to ensure compliance with the Sacramento Areawide NPDES Municipal Stormwater Permit (Stormwater Permit), of which Folsom is a permittee. The city-specific activities described in this chapter are conducted in addition to the regional activities implemented jointly with the other permittees as described in Chapter 2. The required certification for the SQIP is presented at the front of the entire SQIP document.

Background

Folsom became a permittee to the Stormwater Permit when it was first issued in 1990 and has been an active partner in the Sacramento Stormwater Quality Partnership (Partnership) since that time. The Stormwater Permit is issued to Folsom and six other co-permittees (Sacramento County and the cities of Citrus Heights, Elk Grove, Galt, Rancho Cordova and Sacramento) by the Central Valley Regional Water Quality Control Board (Regional Water Board). The Stormwater Permit has been renewed three times: in 1996, 2002, and most recently in 2008 (2008-13 permit term).

Implementation of the activities described in the SQIP is intended to satisfy the provisions of the Stormwater Permit. Those provisions were established to reduce pollutants in stormwater discharges to the maximum extent practicable and comply with receiving water objectives.

City of Folsom Characteristics

The City of Folsom (population about 72,000) is a full service City with a council-manager form of government. Major City-provided services include Public Works, Redevelopment and Housing, Community Development, Police, Fire, Parks and Recreation, and Utilities, as illustrated on Figure 7.1-1. The Stormwater Program is administered by the Public Works Department.

Folsom, rich in California gold rush history, was founded in 1856 and incorporated in 1946. Folsom lies 22 miles northeast of Sacramento along the Highway 50 corridor (see Figure 7.1-2). Folsom straddles the wooded and historic banks of the American River. Folsom Lake and Lake Natoma are at Folsom's border, offering many recreational activities.

Folsom is primarily a residential community with an abundance of parks and open space and diverse commercial and retail establishments which offer a vibrant economic center. The City is also home to several major regional employers such as Intel, Kikkoman Foods, Mercy Hospital, and Kaiser-Permanente.

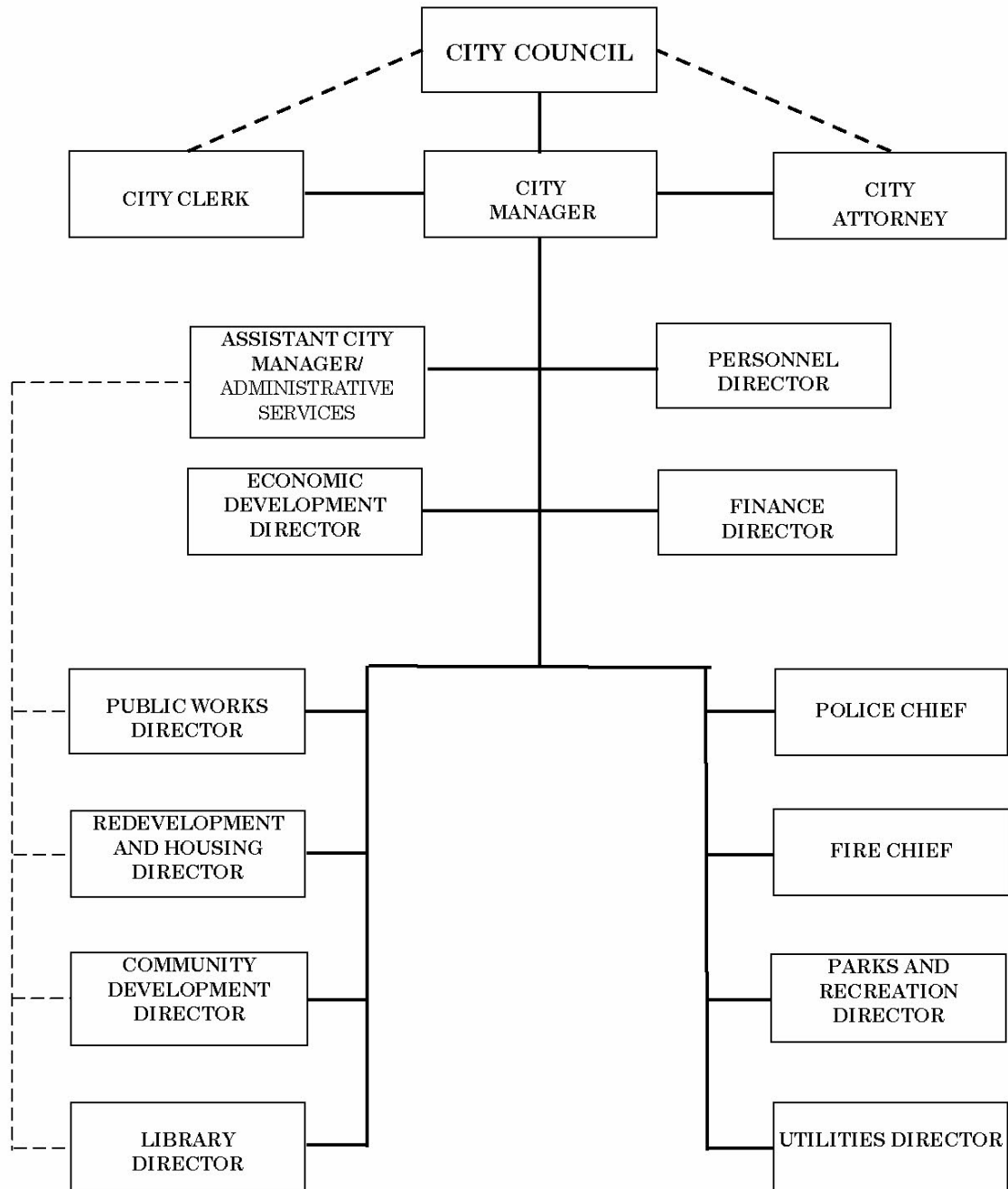
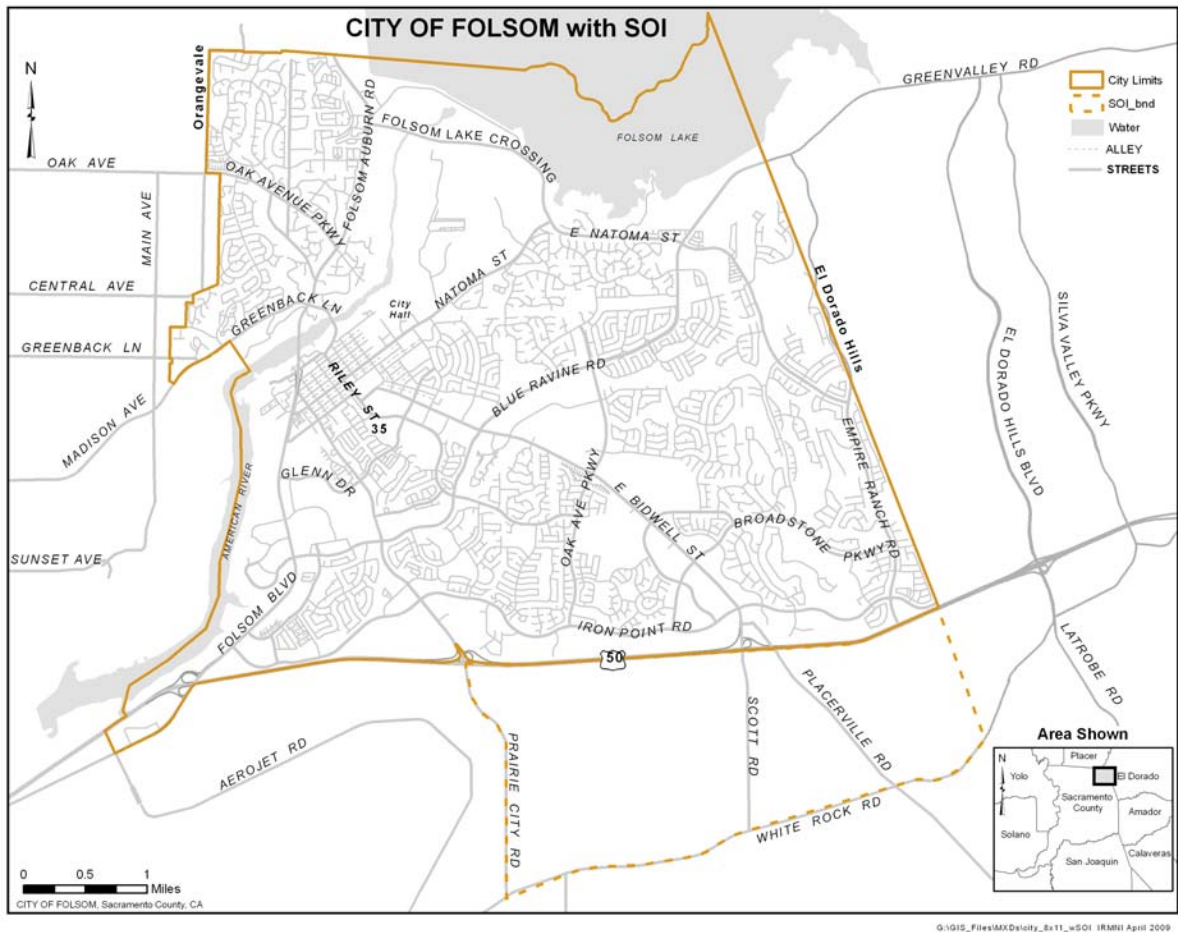


Figure 7.1-1. City of Folsom Organization Chart

Figure 7.1-2 City Map



Folsom State Prison is located in Folsom, but the City has no jurisdiction over the prison operation. The prison discharges stormwater runoff directly to the American River and wastewater is directed to the City's sanitary sewer collection system which directs wastewater to the Sacramento Area Sewer District (SASD) system and from there to the regional wastewater treatment plant in Elk Grove.

In addition to the American River, there are a number of waterways that traverse Folsom, including Hinkle, Alder, Willow and Humbug Creeks. The Willow and Humbug Creek corridor is a natural 11-mile urban parkway with connected recreational trails traversing the City. Folsom takes pride in its waterways and strives to integrate them into the community lifestyle that is uniquely Folsom. The City's stormwater web page (<http://creeks.folsom.ca.us>) includes a copy of the City's creek awareness brochure with an artist's graphic illustration of Folsom's creeks.

The City of Folsom Sphere of Influence, located south of U.S. Highway 50 (see Figure 7.1-2), was approved by the Sacramento Local Area Formation Commission (LAFCo) in 2001. The Sphere of Influence area is about 5.6 square miles (3,600 acres) in size. The City is proceeding with the environmental review process that is required for formal annexation. After annexation of the SOI (anticipated in 2010) the City will grow to approximately 15,470 acres in size and the population is expected to grow by about 26,500 following build out in that area.

Overview of Folsom's SQIP

This SQIP describes activities that Folsom will conduct in compliance with the Stormwater Permit. Modifications to the program may be necessary as the program evolves, and will be proposed in Annual Reports submitted to the Regional Water Board on October 1 each year.

Following this introduction, there are sections to describe activities related to seven major program elements, presented below in the order in which they appear in the Stormwater Permit:

Section 7.2: Program Management — An overview of Folsom's Stormwater Management Program, including how the program is organized, legal authority, priorities and funding, and coordination both within the City and externally with other programs and agencies.

Section 7.3: Construction Program Element — Activities designed to control the runoff of sediment and other pollutants from construction sites.

Section 7.4: Commercial/Industrial Program Element — Activities and control programs designed to reduce pollutants in stormwater discharges from priority industrial and commercial facilities and effectively eliminate non-stormwater discharges associated with these facilities.

Section 7.5: Municipal Operations Program Element — Activities designed to control stormwater pollution resulting from operation of City facilities and utilities and to set an example of model pollution prevention for the public.

Section 7.6: Illicit Discharge and Detection Program Element — Activities designed to effectively eliminate illegal non-stormwater discharges to the storm drainage system and receiving waters by the general public and facilities not addressed in Section 7.4.

Section 7.7: Public Outreach Program Element — Activities designed to raise awareness and foster community stewardship to promote pollution prevention in the urban area and protection of local creeks and rivers.

Section 7.8: New Development Program Element — Activities designed to reduce pollutants in urban runoff discharges from newly developing and redeveloping areas for the life of the project, after construction is complete.

7.2 Program Management

This section of the SQIP describes the organization, legal authority and funding arrangements for the City's program, as well as program management activities for the 2008-13 permit term to ensure continued compliance with the stormwater permit. The City's Stormwater Program Manager conducts the activities and prepares the compliance deliverables described in this plan, coordinates with internal and external groups, ensures that adequate funding and legal authority is in place, and confirms that annual employee training is conducted.

Program Organization and Staffing

The City of Folsom Stormwater Management Program resides within the Department of Public Works, and the Director of Public Works is responsible for overseeing the program and certifying all compliance deliverables. The City has designated staff in the following departments to conduct the management, engineering, planning and maintenance activities required by the Stormwater Permit:

- Department of Public Works (PW)
- Department of Utilities (UT)
- Department of Community Development (CD)
- Department of Parks and Recreation (PR)
- Department of Finance (F)
- City Attorney's Office

Table 7.2-1 summarizes the roles and responsibilities of the various City Departments for implementation of the stormwater program and also includes estimated allocation of resources for the 2009-10 fiscal year. Staff resources are shown in full time equivalent (FTE) increments. FTE staff estimates for staff in other departments related to Stormwater Permit compliance tasks are not shown on this table because these costs are not currently tracked in a separate charge/project number.

Due to the many departments involved, the City formed an intradepartmental Stormwater Committee, with at least one representative from each affected department, to ensure program success and dissemination of information. The Committee will meet at least twice a year to discuss current issues and ensure all required activities are being performed in compliance with the Stormwater Permit and this SQIP.

Legal Authority

Legal authority for Folsom's Stormwater Management Program is provided in several ways:

- The City's Municipal Code provides the basic legal authority to implement the program and enforce the local regulations.
- The General Plan contains water quality protection policies.
- City improvement standards and other City adopted documents specify standards and specifications.
- Agreements with the County and other permittees provide for a means of cost sharing to implement various portions of the program.

The City Attorney's legal certification of adequate legal authority for controlling urban runoff pollution and implementing the activities described in this SQIP is presented in Appendix 7A.

Table 7.2–1. City of Folsom Responsibilities for Compliance with Stormwater Permit

Department/Group	Responsibilities for Compliance with NPDES Stormwater Permit	FTE¹
Public Works		
Administration/ Engineering	Administers and manages Folsom's Stormwater Management Program. Provides liaison with the Regional Water Board and coordinates regional activities with permittees and County EMD. Oversees training for targeted City employees. Conditions City projects to ensure compliance with stormwater management program. Conducts stormwater inspections (construction, illicit discharge, some commercial sites) to ensure compliance with Stormwater Ordinance.	2
Street Maintenance	Provides staff to inspect and clean storm drains, sweep streets, conduct creek and detention basin maintenance, and maintain vegetation along roadsides and detention basin/waterway inlets/outlets for flood control. Applies fertilizers, herbicides, and pesticides in a manner which prevents pollution of runoff. Monitors for illegal connections and illicit discharges and is responsible for the storm drain marking program.	*
Utilities		
Engineering	Ensures that Utility projects and maintenance practices are in compliance with stormwater quality requirements.	*
Sewer Maintenance	Conducts field and video inspections for illegal connections and illicit discharges, responds to spill clean ups.	*
HazMat	Responsible for the household hazardous waste collection program. Administers solid waste recycling program. Assists in enforcement and response to illicit discharges.	*
Water Conservation	Provides a variety of water efficiency services for residents and businesses to reduce water use, including more efficient irrigation practices to reduce runoff.	
Community Development		
Support Staff, Engineering and Planning	Conditions development and improvement plans, implements California Environmental Quality Act requirements and General Plan amendments, and reviews improvement plans for stormwater management program compliance.	*
Code Enforcement	Responsible for enforcement of City Code violations including Stormwater Management and Discharge Control Ordinance.	*
Building Inspection	Performs inspections and monitors for compliance of private development construction projects from the meter to the building.	*
Municipal Landscape Services	Responsible for landscape maintenance of Lighting and Landscape Districts, City Parks, trails, dog waste stations and City trees. Applies fertilizers, herbicides, and pesticides in a manner which prevents pollution of runoff.	*
Construction Inspection	Performs inspections and monitors for compliance of private development and major public works construction projects within the public right of way.	*
Parks and Recreation		
Planning & Maintenance	Plans, develops and maintains park facilities in a manner consistent with stormwater management program requirements. Applies fertilizers, herbicides, and pesticides in a manner which prevents pollution of runoff.	*
Zoo Division	Maintains stormwater public education display at zoo.	*
Fire	Plans/develops new fire stations (and plans/conducts remodels) consistent with stormwater management program requirements. Ensures that permit provisions related to emergency and non-emergency fire fighting flows are addressed. Responsible for response to hazardous and after-hour illicit discharges.	*
Finance	Provides budget support and assists with the Stormwater Program Funding Project.	*
City Attorney's Office	Answers legal questions posed by Stormwater Program, interprets regulations, prepares and reviews agreements, possible future changes to SW Ordinance, etc.	*

¹ FTE: Full Time Equivalent, based on 2080 hours per year. Capital/operating costs are not included.

*Time spent by staff in other departments on Stormwater Permit compliance tasks is not currently tracked in a separate charge/project number.

City Codes

The City of Folsom Municipal Code and adopted ordinances form the basis for the legal authority for Folsom's Stormwater Management Program. The Folsom Municipal Code can be accessed at:

<http://www.folsom.ca.us/government/default.asp>

The predominant municipal code provision is in Title 8 - Health, Sanitation and Welfare, Chapter 8.7 - Stormwater Management and Discharge Control (also known as the "Stormwater Ordinance"). It prohibits most non-stormwater discharges and lists non-stormwater discharges conditionally allowable (e.g., flows from emergency fire-fighting activities) pursuant to NPDES federal regulations. The Stormwater Ordinance provides legal authority to Folsom and Sacramento County for inspections and enforcement related to control of illicit (unauthorized non-stormwater) discharges to the City storm drainage system and local creeks. In addition, the ordinance provides legal authority to Sacramento County (Environmental Management Department) to conduct stormwater compliance inspections and enforcement at many types of industrial and commercial facilities in Folsom..

A number of other code sections also provide Folsom with additional legal authority. Those include:

- Title 1 General Provision - Chapter 1.08 Enforcement of Folsom Municipal Code and other Applicable Laws, Chapter 1.09 Administrative Violations and Administrative Enforcement Procedures, Chapter 1.10 Additional Remedies.
- Title 9 Public Peace, Morals and Safety – Chapter 9.34 Hazardous Materials Disclosures.
- Title 12 Street and Sidewalks – Chapter 12.20 Use of City Property (encroachment requirements and watercourse protection).
- Title 13 Water and Sewer – Chapter 13.16 Septic Tanks, Cesspools and Privies – Definition, Chapter 13.20 Septic Tanks, Cesspools and Privies – Regulations.
- Title 14 Building and Construction – Chapter 14.29 Grading (drainage plans, erosion control and flood prevention), Chapter 14.33 Hillside Development Standards.

General Plan

The City of Folsom adopted its General Plan in 1988 and has had a number of subsequent amendments. A copy of the current General Plan can be found in Appendix 7B.

The General Plan is the long-term policy guide for the physical, economic, and environmental growth of the City. It is composed of goals, policies, and implementation programs, all based on an assessment of current and future needs and available resources. The General Plan contains the provisions that lay the framework for protection of water quality and implementation of the Stormwater Management Program. The adopted General Plan policies that apply to the Stormwater Management Program are listed by Element as follows:

Land Use Element

Policy 1.9 — “Development proposed along streams shall be in conformance with a comprehensive development and management plan to be prepared for stream waterbeds prior to project approval.”

Policy 2.2 — “The City will prepare area or specific plans as appropriate to further refine the standards and regulations for development.”

Open Space and Conservation Element

Policy 25.1 — “The surface and groundwater quality of Folsom shall not be degraded from City Standards.”

Policy 28.2 — “The quality and quantity of surface water runoff from a property shall not exceed existing flows or existing quality or shall comply with City standards for off-site drainage. The City shall implement a surface-runoff water quality monitoring program to insure compliance with City standards.”

Safety Element

Policy 29.3 — “The City shall develop standards for building within the 100 year floodway to assure that the water flows above stream and downstream from a property will not be altered from existing levels.”

Public Facilities Element

Policy 40.2 — “The City shall require the preparation of a facilities plan for an identified area...”

Policy 40.3 — “An area facilities plan shall include, but not be limited to the following:

- 1) A statement of the plan’s consistency with the Folsom General Plan and the City’s Urban Development Policy.
- 2) Identification of the nature and extent of facilities necessary to serve the area and a schedule of estimated time within which facilities must be constructed...”

In addition to Folsom’s General Plan policy requirements which address protection of water quality, the City may require Area, Specific or Facilities Plans for each new development that directly address drainage and water quality issues. These documents discuss the NPDES permitting requirements and the City of Folsom’s Stormwater Management Program. Each development must identify how it intends to be in compliance and describe mitigation measures it will take if it cannot comply. Typical drainage plans minimize the total amount of additional surface runoff and limit the flows released to existing pre-development levels. Other mitigation measures usually include stormwater quality control measures such as detention basins, channel protection, and maintenance plans. Temporary construction best management practices (BMPs) such as erosion and sediment controls, are also required.

Standards

Folsom’s *Design and Procedures Manual* and *Improvement Standards and Standard Construction Specifications* (including Standard Construction Drawings) are applicable to all projects citywide, private or public. See Section 7.8 for more details.

The City uses the County’s erosion and sediment control standards and specifications; see Section 7.3 for more information.

Guidance for design, construction and maintenance of post-construction stormwater quality control measures is provided in the *Stormwater Quality Design Manual for Sacramento and South Placer Regions*. The City of Folsom was an active participant in the interagency steering committee that produced this document in May 2007. In addition, the City requires a standard maintenance agreement to ensure long term maintenance of post-construction stormwater quality treatment facilities. See Section 7.8 for additional details.

Funding

Revenue for administering Folsom’s stormwater program are derived from many different City sources. Since the City does not have a separate stormwater utility fee like some of the other permittees, it must rely on a combination of General Fund revenue, special revenue and miscellaneous fees. General Fund revenue derives primarily from property and sales taxes. Special revenue and miscellaneous fees include development impact fees, park development fees, and other capital project revenue. Other possible sources of funding include sewer, water and solid waste utility funds. Portions of these revenues pay for staff positions responsible for conducting activities in compliance with the Stormwater Permit.

During the 2008-13 permit term, the City will continue working towards establishment of a dedicated funding source for stormwater services, including NPDES permit compliance and operation and maintenance of the storm drain system. The challenges in this endeavor are the Proposition 218 restrictions¹ and the need for property owner approval of any new stormwater management-related fee. Over the last few years, other cities in California have tried to set up such a fund and failed due to lack of public support. The City completed an initial funding feasibility study, further studies and a strategy for implementation are still needed. The City is waiting for the state of the economy and its own budget situation to improve to move forward.

Implementation Priorities

Folsom's SQIP sets out the basic goals and activities for the program, with the ultimate goal being protection of water quality and compliance with the stormwater permit by implementing a program to reduce pollutants in urban stormwater discharges to the maximum extent practicable (MEP). For the most part, what constitutes "MEP" is defined by the activities (e.g., "performance standards") established by the stormwater permit.

In areas of the permit where the level of effort is not prescribed, the definition of MEP can vary slightly from year to year based on various factors, some of which (e.g., natural disasters, extreme flood events) are outside the City's control. Program priorities are also influenced by the amount of time and resources needed to respond to the public, environmental groups, and regulatory agencies on various issues of concern. These response activities are impossible to predict, but become a top priority for the City.

The City evaluates priorities each year as part of its budgeting process. Prioritized activities are proposed in the Work Plan for the coming fiscal year, which is submitted to the Regional Water Board on May 1 each year. Priorities and associated activities are then finalized before the start of the fiscal year on July 1.

In the Annual Report (due October 1 each year), the City reports on its ability to meet its goals and stated priorities for the reporting fiscal year.

Training for City Staff

The City provides annual refresher training for the City stormwater construction inspector, as well as affected planning, maintenance, engineering, and inspection staff from the various departments shown on Figure 7.1-1 and listed on Table 7.2-1. City staff are also kept informed and updated throughout the year concerning the Stormwater Permit and impacts to their positions and responsibilities. City specifications require contractors to provide their own training.

The following compliance areas are covered in annual refresher training:

¹ The general intent of Proposition 218 – passed by the voters of California in 1996 - is to ensure that all taxes and most charges on property owners (including fees for stormwater pollution control services) are subject to voter approval.
http://www.lao.ca.gov/1996/120196_prop_218/understanding_prop218_1296.html

Construction Element

Main Objective: To promote proper use of erosion and sediment control and other construction-related pollution prevention for private and City-owned construction projects.

Targeted employees: Public Works and Community Development staff responsible for permit approval, stormwater pollution prevention plan (SWPPP) and erosion control plan review, and construction and stormwater compliance inspections.

Municipal Operations and Illicit Discharge Elements

Main Objective: To promote a clear understanding of the potential for maintenance activities (including vehicle wash water) to pollute storm water, and identify and select appropriate BMPs. Courses will include training on identification, investigation, termination, cleanup, and reporting of illicit connections and discharges.

Targeted employees: Public Works (Streets and Drainage), Utilities (Sewer/Water), Parks, Fire and Police Department staff responsible for road and street maintenance, facility maintenance, maintenance yard, park maintenance, design, construction and maintenance contract oversight, storm drain system maintenance, vehicle and equipment maintenance, pesticide application and material and waste management.

New Development Element

Main Objective: To educate and inform about the various departments' roles in implementing the City's development standards applicable to stormwater quality control measures to prevent pollution, reduce runoff and treat runoff. The standards apply to both private and City-owned development projects.

Targeted employees: Public Works, Community Development, Parks and Fire Department staff responsible for design/redevelopment of City-owned facilities, and review and approval of private new development and redevelopment projects.

At a minimum, training courses will cover the following topics:

- Review of general stormwater/urban runoff quality awareness objectives: where runoff goes, how it becomes polluted, and how to prevent pollution.
- Regulatory information appropriate to the audience.
- Information about enforcement and penalties appropriate to the audience.
- How to report/refer observed problems in the field.
- Public outreach materials that can be distributed by City crews to the public, and how to refer the public to stormwater program web site/staff for answers.

Training accomplishments will be documented in the Annual Reports.

Recordkeeping and Reporting

The City's stormwater program staff maintains NPDES Stormwater Permit compliance files in the Public Works Department, including all documentation necessary to demonstrate compliance with the permit. As required, the City retains copies of all records and reports from the date of generation for at least five years.

The City prepares and submits the following documents to the Regional Water Board each year, in compliance with the Stormwater Permit:

- Annual Work Plan (May 1) – describes proposed activities and budget for coming fiscal year (July 1 – June 30).

- Annual Report (October 1) – describes activities conducted during the previous fiscal year, including compliance with performance standards and the Stormwater Permit, and proposed revisions to the SQIP.

Records and data are collected from all responsible City departments and groups each summer to prepare the Annual Report. Other groups (e.g., County EMD) will assist in compiling and describing information for the activities it conducts on the City's behalf.

Coordination with Other Agencies and Programs

Sacramento Stormwater Quality Partnership

As described in Chapter 2, Section 2.2, the City is a party to the Partnership's memorandum of understanding (MOU) which describes cost sharing arrangements for support of regional program activities which benefit all permittees. In addition, Folsom participates in regular (approximately bimonthly) Steering Committee coordination meetings to discuss topics such as:

- Implementation of regional program activities (described in Chapter 2 of this plan), such as monitoring, target pollutant reduction and regional public outreach.
- Status of consultant contracts and work products.
- Funding of mutually beneficial activities conducted by others, such as the Brake Pad Partnership and the development of CASQA statewide BMP handbooks.
- Overall program evaluation and effectiveness assessment.
- Proposed modifications to the SQIPs and/or Stormwater Permit.
- Regulatory changes/evolution and potential impacts to the Partnership and individual permittees.

Outside Agencies

The City coordinates with various local and regional agencies (over which it lacks jurisdictional control) in order to ensure City-wide compliance with the Stormwater Permit:

- Sacramento Regional County Sanitation District (SRCSD) - owns and operates the interceptor collection system and wastewater treatment plant, to which the City's sanitary sewage is delivered
- Regional Transit - owns and operates the Light Rail spur in Folsom and one of the park and ride lots
- Folsom Cordova Unified School District - owns and operates various schools in the City (see list in Section 7.7) and will construct new schools in the future
- El Dorado and Placer County - neighboring counties which are not permittees to the Sacramento municipal stormwater permit
- US Bureau of Reclamation (USBR) - owns the American River Parkway and lower portion of Alder Creek
- California State Parks - contracted by USBR to manage open space and park lands
- Sacramento Municipal Utility District (SMUD), Pacific Gas & Electric and other local utilities - own private utilities in the public right of way and have maintenance easements to repair/replace facilities
- Caltrans - owns and maintains several Hwy 50 interchanges and will work with City in the future to construct new interchanges to service the SOI area

Other Stormwater Programs in the State

The City supports coordination and networking with other stormwater programs within California in order to share information and identify opportunities to work together. This City is a member of the California Association of Stormwater Quality Agencies (CASQA) and attends annual conferences and general meetings whenever possible.

Activities for 2008-13 Permit Term

Table 7.2-2 at the end of this chapter summarizes the activities that will be conducted for this program element during the 2008-13 permit term, along with associated performance standards, effectiveness assessment methods and a five-year implementation schedule. The table was developed to demonstrate compliance with various provisions of the Stormwater Permit, as indicated on the table.

This section describes the planned activities in more detail.

Legal Authority

Update Codes and Standards

Within one year of the Regional Water Board's approval of the SQIP, the City will evaluate the need to amend its Stormwater Ordinance to reflect changes in the program,. The City will also adopt needed changes to the Standard Construction Specifications and the Design and Procedures Manual, as well as the *Stormwater Quality Design Manual for Sacramento and South Placer Regions* (see Section 7.8 for more details).

Incorporate Water Quality Principles into General Plan Update

The City anticipates updating its General Plan starting with a visioning process during the 2008-13 permit term. As part of this process, a review will be conducted to determine which water quality and watershed protection principles need to be incorporated to ensure compliance with th stormwater permit (see Section 7.8).

Update Agreements

The City will sign the updated Sacramento Stormwater Quality Partnership MOU that outlines joint responsibilities, cost sharing based on Sacramento Area Council of Governments (SACOG) population data, decision making, and information management and reporting. Refer to Chapter 2, Section 2.2 for more information and a reference to the appendix.

Funding

Annual Planning and Reporting

Each year, through the City budgeting process, a fiscal analysis will be performed to ensure resources are available and allocated to carry out the proposed activities necessary for Stormwater Permit compliance. This analysis will consist of detailing program costs, percentage expenditures by program, anticipated staff time, resource type, and funding and any associated restrictions on the use of the funds.

Fiscal information will be reported in the Annual Work Plans (May 1) and Annual Reports (October 1).

Stormwater Fee

The City will continue working towards securing new sources of dedicated funding for its Stormwater Management Program. As mentioned earlier, the City is waiting for the state of the economy and its own budget situation to improve before moving forward.

Training

Training is an extremely important aspect of Folsom's Stormwater Program and annual refresher training for all affected City staff will continue as in previous years for targeted employees. Details about the training were presented previously in this section. Sections 7.3-7.8 describe training activities planned for the individual program elements. Each year, training accomplishments will be described in the October 1 Annual Reports.

Reporting*Compliance Reporting*

The City will revise the September 2009 SQIP based on Regional Water Board comments and/or comments received during the 30-day public review process conducted by the Regional Water Board. From then on, proposed modifications to the SQIP will be included in the annual reports, as required by the stormwater permit.

As required by the Stormwater Permit, the City will submit an Annual Report by October 1st of each year detailing the activities accomplished during the previous fiscal year (July 1 -June 30). The report will be prepared using a standardized reporting format consistent with the other permittees.

By May 1st of each year, Folsom will submit an Annual Work Plan that details the activities proposed for the following fiscal year.

The City and County of Sacramento will take the lead on behalf of the Partnership in submitting Regional Program Work Plans and Annual Reports to describe regional program activities such as monitoring conducted jointly by all the permittees. Refer to Chapter 2 for additional information.

The City and County of Sacramento will also take the lead in preparing the Report of Waste Discharge (ROWD) for submittal to the Regional Water Board in March 2013. The City will participate in that process and will prepare an updated SQIP for submittal with the ROWD, as required by the Stormwater Permit.

Internal Reporting

The City's Stormwater Program Manager will keep Folsom elected officials and managers apprised of Stormwater Program activities and issues through written memos, submittals, and/or presentations.

Coordination

The City of Folsom will continue to work closely with the other permittees and agencies involved or affected by the various stormwater activities. This will include attendance at Steering Committee meetings held approximately monthly (see Chapter 2, Section 2.2). The City will also continue to participate with other permittees on various committees that have been formed to address specific activities, such as target pollutants and monitoring (see Chapter 2).

Coordination efforts with other agencies (previously listed in this section) will continue during the current Stormwater Permit term, when multi-jurisdictional issues arise, such as on development projects.

Internal city coordination will also be conducted to ensure all necessary City staff, management and elected officials are aware of Stormwater Permit requirements and related program efforts. Periodic meetings will be held with the Intradepartmental Stormwater Committee to share information and guide the decision-making process.

Effectiveness Assessment

The City will work with the other permittees to assess the effectiveness of the overall stormwater program as described in Chapter 2, Section 2.3. This approach is based on guidance provide by CASQA in its *Effectiveness Assessment Guidance* document (2007). In addition, the City will evaluate the effectiveness of its own program management activities related to permit compliance, as described in Table 7.2-2. This assessment will be done each summer during preparation of the annual report, and recommendations for program improvements or modifications will be made based on the results.

For this program management element, most activities have Level 1 effectiveness outcomes; this requires annual documentation that activities have been conducted as required by the stormwater permit. Level of effort (e.g., number of meetings attended) and resources expended (staff hours or costs) may also be tracked (also outcome level 1). The exception to this is training. During the 2008-2013 permit term, the City (or the County, on the City's behalf) will use quizzes, surveys and/or follow-up meetings with selected groups to assess the knowledge level of trained staff with a goal of increasing awareness (outcome level 2).

The City will contribute resources (per the permittee cost-share MOU) to the long term effectiveness assessment required by the stormwater permit (due with ROWD in March 2013).

7.3 Construction Program Element

The mission of the Construction Program Element is to prevent erosion and reduce pollutants in stormwater runoff from construction activities in Folsom.

Folsom places a high emphasis on reducing pollution of stormwater runoff due to construction activities, as a means of protecting the community's valuable creek and river resources. Some areas undergoing development in the city are on slopes and hillsides, and are therefore very susceptible to erosion during rain storms. Controlling erosion reduces the potential for discharge of sediment and other construction-related pollutants to the City's storm drain system and local creeks, to the maximum extent practicable.

Construction Element Strategy

The City has established ordinances that provide the authority necessary for the city inspectors to address threatened and actual discharges of pollutants from construction operations. With this as a foundation, the City's strategy for controlling pollution from construction sites relies on three basic components: plan review and permitting, inspection and enforcement and outreach and education.

The program applies to private as well as public construction projects, including those required to obtain coverage under the State's NPDES Construction Stormwater General Permit. For the most part, the focus for inspection and enforcement activities is on land disturbing activities of one acre or more. However, smaller sites must comply with the City's Grading and Stormwater Ordinances (discussed in Section 7.2).

Intra and Interagency Coordination

Most interdepartmental coordination (between Public Works and Community Development) related to stormwater quality controls for construction projects is done on an informal basis through written correspondence and regular meetings related to specific projects. The City has a full time Stormwater Pollution Prevention Inspector that works directly for the City's Stormwater Program Manager, this arrangement is very effective and reduces the need for much intradepartmental coordination in terms of inspection.

The City coordinates with the other permittees as much as possible to present a consistent, uniform message to the construction and development communities, since construction work is often multi-jurisdictional. For example, the City utilizes the same erosion and sediment control standard construction specifications as the County.

The City assists the Regional Water Board in its enforcement of the Construction General Permit by enforcing compliance with comparable local ordinances, verifying NOI filings, spot checking State-required Stormwater Pollution Prevention Plans (SWPPPs,) and referring site operators who have not complied with the State regulations.

Accomplishments to Date

Folsom has made several notable accomplishments related to the construction element:

- Assigned a dedicated inspector solely for stormwater inspection and compliance issues. Other city construction and building inspectors refer stormwater issues to him for follow-up inspections and enforcement action when additional expertise beyond their level is required.
- The City's Stormwater inspector became a Certified Erosion, Sediment and Storm Water Inspector™ in 2008.

- Created a database to track all active construction sites and associated inspections and enforcement actions.
- Adopted Sacramento County’s standard drawings for erosion and sediment control to promote areawide consistency, and informed local Folsom development/construction community during project-specific reviews.
- Developed and implemented procedures to require proof of Notice of Intent (NOI) to comply with the State’s Construction General Permit as a condition of obtaining grading permits for projects subject to the General Permit.

Activities for the 2008-13 Permit Term

Table 7.3-1 at the end of this chapter summarizes the activities that will be conducted for this program element during the 2008-13 permit term, along with associated performance standards, effectiveness assessment methods and a five-year implementation schedule. The table was developed to demonstrate compliance with Provision 8 of the Stormwater Permit.

This section describes the planned activities in more detail.

Legal Authority

The Folsom Municipal Code contains three ordinances that relate to stormwater enforcement, as discussed in Section 7.2: Stormwater Management and Discharge Control, Grading, and Hillside Development ordinances. These ordinances provide the legal authority to enforce standards and conditions and ensure that unauthorized non-stormwater discharges are prevented to the maximum extent practicable.

To promote consistency the City will coordinate with the County and other permittees during the 2009/2010 fiscal year to evaluate and update existing codes, standards, specifications and training programs to reflect the provisions of the State Water Board’s new Construction General Permit, adopted September 2, 2009 and effective July 1, 2010. The wet season workshops offered in fall 2009 will inform agency staff and the local construction community about the new permit to help facilitate compliance.

The City will also consider revisions to its legal authority whenever the County of Sacramento revises its legal authority, since the City’s stormwater ordinance was modeled after the County’s.

Plan Review and Permitting

The City’s Grading Ordinance (FMC 14.29) requires a grading permit and erosion and sediment controls on all private projects, disturbing 5,000 square feet or more or exceeds 50 cubic yards or more of fill. All private and public projects are subject to the City’s Stormwater Ordinance (FMC 8.70), which prohibits the discharge of sediments and other construction-related pollutants to the City storm drainage system.

Engineers and planners in the City’s Community Development Department receive, review and approve all grading permit and building permit applications. The planning staff check that all environmental permits are obtained from agencies such as Department of Fish and Game (1600 series permit), US Army Corps of Engineers (404 permit) and the Regional Water Board (401 Certification). Plans are routed to the Public Works Department for verification that erosion and sediment controls are specified in the plans.

Private and public projects in Folsom disturbing one or more acres of land are required to obtain coverage under the State’s Construction General Permit, in addition to satisfying all applicable local permitting requirements. Prior to issuing a grading permit, the City will verify that a State-required NOI was filed and will check the SWPPP for six items required by Provision 8.b.v.a of the Stormwater Permit. The City will track grading permits using an electronic database. This is a continuation of activities conducted during the 2002-07 permit term.

Inspections and Enforcement

The Community Development Department Inspectors are responsible for day-to-day enforcement at project sites and the Public Works Department stormwater inspector is responsible for enforcing the City's erosion and sediment control requirements and the Stormwater Ordinance. The two groups of inspectors work together, referring issues to each other and conferring until resolution is reached. Projects are inspected to ensure compliance with local ordinances, verify that sites adequately address erosion, sediment, and pollution control, and ascertain that SWPPPs and monitoring plans are on-site and updated for projects subject. The City stormwater inspector will give verbal warnings and issue notices of non-compliance. If response is not effective, the inspector will refer cases to the Code Enforcement Division, which is charged with enforcing city codes. Code Enforcement will issue non-compliance letters, initiate fines and refer cases to the City Attorney's office when compliance is not achieved. Violations of the City's ordinances are considered Level E violations and could include a fine up to \$10,000.

As with the previous 2002-07 permit term, the City will continue to prioritize sites as either "high" or "moderate" threat to water quality and inspect according to this schedule:

- High priority sites – inspected twice monthly during the wet season (October 1 – April 30) and monthly thereafter.
- Moderate priority sites – inspected monthly throughout the year.

New projects will be assumed to be high priority until successive inspections demonstrate that they can be downgraded to moderate priority. The criteria for making this determination will include factors such as: project size, amount and nature of site activity, sensitive site conditions (e.g., proximity to a creek, steep slopes or erosive soils), and history of prior violations by the contractor(s).

Progressive enforcement action will be taken by the construction inspectors when violations of local ordinances are observed, including discharge of sediments and other construction-related pollutants to the storm drain system or local creeks. Finally, a database of active construction projects, their priorities and inspection and enforcement activities will be maintained by the City at all times.

Notifications to the Regional Water Board

If the City inspectors observe chronic (e.g., three or more) violations of the City's stormwater ordinance at a given construction site, they will notify the City's Stormwater Program Manager who will in turn notify the Regional Water Board, in compliance with the stormwater permit.

As required by the Stormwater Permit, if a contractor on a project disturbing one acre or more cannot demonstrate that the developer/owner has submitted an NOI or received a Waste Discharge Identification (WDID) number from the state, staff will notify the Regional Water Board within five business days of discovery. Non-filer referrals shall include the project location, developer, estimated project size and records of communication with the developer regarding filing requirements.

Pollution Control at City-Owned Construction Projects and Other Projects by Special Districts and Others out of the City's Jurisdiction

All City-owned construction projects will be subject to the same standards, State General Permit filing requirements and inspection frequencies as private development projects. In cases where a City project is not subject to the State General Permit, but there is a potential for stormwater pollution, a Stormwater Pollution Control Plan will be prepared and implemented.

Internal communication and training is critical to verify compliance at all city construction jobs. Interdepartmental meetings, committees and other communication forums will help ensure that standards and best available practices are followed.

The City lacks jurisdictional control over projects that may be constructed in Folsom by utilities, special districts (e.g., schools, RT, State Parks) and other agencies, and such projects are not subject to the City's plan review and permitting process. However, the projects will be subject to the City's Stormwater Ordinance. The City will coordinate with these agencies on a project basis to ensure compliance with the Stormwater Ordinance and to ensure coverage as required by the State's Construction General Permit.

Education and Training for City Personnel and the Construction Community

The City will continue to provide education and guidance to both City staff (see Section 7.2) and the local construction and development community, covering topics such as: current regulations and changes, local procedures and standards, BMPs, new technology, and inspection and maintenance practices. The City will support Partnership training events (such as pre wet season forums) for the construction community (developers, contractors, engineers, designers) as well as those hosted by local groups such as the Building Industry Association (BIA). This coordinated training helps ensure consistency for the local construction community (which works throughout the Sacramento area, across various municipal lines), promotes stronger ties with professional organizations, and is cost-effective.

Various forms of educational materials will be distributed in different methods, depending on the target audience and message. Typical formats include training workshops, brochures, and guidance documents and standards. Education will also be provided through the entitlement and plan check process, building permit process, preconstruction meetings, and inspection. Folsom will continue to contribute funding (through the cost-share MOU) for the development and production of outreach materials such as brochures for concrete and painting, printed in English and Spanish.

Effectiveness Assessment

The general approach to assessing the effectiveness of the stormwater program and individual program elements is described in Chapter 2. Table 7.3-1 describes the assessment methods the City will use to more specifically evaluate the construction program element activities during the 2008-13 permit term. The goal will be to move toward outcome levels 2 and 3 (changing awareness and behavior, respectively, of the regulated construction community) for some tasks. The remaining tasks will continue to be evaluated at outcome level 1 (documenting and confirming permit compliance).

Key indicators have been selected for various tasks to demonstrate progression towards overall stormwater program goals for this particular element. A summary of the status of key indicators will be used to assess overall program effectiveness in the annual reports.

Effectiveness assessment results will be presented in the annual reports and may be used to recommend modifications to the SQIP.

7.4 Commercial/Industrial Program Element

The mission of the Commercial/Industrial Element is to reduce the discharge of stormwater pollutants and to effectively eliminate illegal non-stormwater discharges from commercial and industrial facilities and operations in Folsom.

The goal of the Commercial/Industrial Element is to reduce the discharge of stormwater pollutants to the maximum extent practicable and to effectively eliminate illegal non-stormwater discharges from commercial and industrial facilities and operations in Folsom.

Commercial/Industrial Element Strategy

Folsom contracts with others to most effectively perform some of the activities required for this program element. The City has a MOU with Sacramento County EMD to conduct triennial inspections as required by the stormwater permit of over 300 commercial/industrial facilities in Folsom (see Table 7.4-1). The MOU authorizes trained and qualified EMD inspectors to conduct inspections and issue enforcement actions, using the legal authority provided by the City's Stormwater Ordinance. EMD also passed a fee ordinance in 2004 which authorizes the agency to recover costs from the industrial and commercial facilities inspected so that the City's other funding sources are not unduly burdened. The work performed by EMD on the City and other permittees' behalf is described in Chapter 2 (Section 2.7).

Folsom and other permittees contract with the Business Environmental Resource Center (BERC) to conduct outreach to targeted local businesses in each of their jurisdictions. This work, which is described in Chapter 2 (Section 2.7), includes maintaining and updating a database of businesses receiving the outreach materials each year.

The City itself conducts complaint-based inspections of all other businesses within the city; those activities are described in this section.

Table 7.4-1. Commercial/Industrial Facilities in Folsom Subject to EMD Inspections

Commercial/Industrial Category	No. in Folsom (2008)
Auto body shops	3
Auto repair shops	13
Auto dealers	12
Equipment rental facilities	0
Kennels	3
Nurseries	0
Retail gasoline outlets (i.e., gas stations)	15
Restaurants	249
Facilities covered by the State's Industrial General Permit	6

Intra and Interagency Coordination

The City participates in meetings with EMD and the other permittees to discuss the permit-required inspection program, resolve problems and identify improvements. The City also takes referrals from EMD for problems observed at businesses not included on their inspection program; the City investigates these cases as described later in this section. EMD coordinates with all permittees, BERC and various business groups and trade associations during the course of implementing the program.

The City coordinates with BERC and EMD to develop policies and outreach material that is regionally applicable. The City coordinates with EMD on inspections that require further investigation, provides support for progressive enforcement and for follow up and enforcement for facilities referred by EMD that are not within EMD's MOU to inspect and enforce.

Accomplishments To Date

The County EMD program was the recipient of two awards for outstanding program implementation: the CASQA 2007 Excellence Award and the U.S. EPA 2008 Industrial Stormwater Program Excellence Award. Other accomplishments are noted in Chapter 2 (Section 2.7).

Activities for the 2008-13 Permit Term

Table 7.4-2 at the end of this chapter summarizes the activities that will be conducted for this program element during the 2008-13 permit term, along with associated performance standards, effectiveness assessment methods and a five-year implementation schedule. The table was developed to demonstrate compliance with Provision 9 of the Stormwater Permit. This section describes the planned activities in more detail. Some activities are conducted by the County EMD and BERC on the City's behalf. Refer to Chapter 2 (Section 2.7) for additional details about those regional activities.

Legal Authority and Enforcement Policy

The City's Stormwater Ordinance will continue to provide legal authority to the County EMD for regulating commercial businesses and industries in Folsom with respect to stormwater pollution.

EMD has developed a progressive enforcement policy to apply to its work; see Chapter 2, Section 2.7. The enforcement policies for the City related to inspections of businesses not addressed by EMD are covered in the Folsom Municipal Code, Title I, Chapter 1.08.

Priority Industry Identification for Compliance Inspections

The nine categories of industrial and commercial businesses subject to stormwater compliance inspections for the 2008-13 permit term were specified by the Regional Water Board in the stormwater permit. These are the same business categories that were targeted during the 2002-07 permit term, although ownership and status has likely changed for some of the facilities.

Triennial Industrial Stormwater Compliance Inspections

Refer to Chapter 2 (Section 2.7) for EMD's continued activities related to inspections, enforcement, database management and reporting, and education/training. EMD refers significant violations of the Folsom stormwater ordinance and potential general permit non-filers to the Regional Water Board as required by the stormwater permit.

Complaint-Based Stormwater Compliance Inspections

The City Public Works Department stormwater inspector will inspect other businesses not addressed by EMD's program described above within the City of Folsom on a complaint basis. Complaints can be referred by the public, other City agencies and departments, the Regional Water Board, and other sources. The inspectors will refer to EMD any complaints related to businesses included in the triennial inspection program. All other complaints will be investigated, and associated progressive enforcement will be conducted to ensure that the stormwater pollution problem(s) are eliminated.

The City will distribute educational materials during these inspections and will keep a database for annual reporting purposes.

Educational Outreach for Businesses

The businesses to receive targeted outreach were initially identified during the 2002-07 permit term and have since been refined as listed below. Businesses in these priority categories are considered potential temporary or intermittent sources of unauthorized non-stormwater discharges and/or stormwater pollution. Most of the businesses are mobile operations without a single base of operation, so they are difficult to track.

- Automotive washing and detailing businesses
- Carpet cleaning businesses
- Commercial pesticide applicators
- Concrete contractors
- Concrete cutting contractors and businesses
- General building contractors
- Landscape installation contractors and maintenance businesses
- Painting contractors
- Portable toilet rental businesses
- Pressure washing businesses
- Street sweeping businesses
- Swimming pool contractors
- Swimming pool maintenance businesses

Refer to Chapter 2 (Section 2.7) for a description of activities that will be conducted by BERC (under contract to the Partnership) to outreach to these businesses during the 2008-13 permit term.

Training for Industrial Inspection Staff

Refer to Chapter 2 for a description of training provided to EMD industrial inspection staff. The City's stormwater inspector and Hazmat personnel will continue to receive annual refresher training as described in Section 7.2.

Effectiveness Assessment

The general approach to assessing the effectiveness of the stormwater program and individual program elements is described in Chapter 2. Table 7.4-2 describes the assessment methods the City will use to more specifically evaluate the commercial/industrial program element activities it conducts during the 2008-13 permit term. Chapter 2 (Section 2.7) describes the assessment activities to be conducted on the City's behalf by EMD or BERC. The goal will be to move toward outcome levels 2 and 3 (changing awareness and behavior, respectively, of the regulated community) for some tasks. The remaining tasks will continue to be evaluated at outcome level 1 (documenting and confirming permit compliance).

Key indicators have been selected for various tasks to demonstrate progression towards overall stormwater program goals for this particular element. A summary of the status of key indicators will be used to assess overall program effectiveness in the annual reports.

Effectiveness assessment results will be presented in the annual reports and may be used to recommend modifications to the SQIP.

7.5 Municipal Operations Program Element

The mission of the Municipal Operations Element is to reduce stormwater pollution resulting from the construction, operation and maintenance of City-owned facilities in a manner that sets an example of model pollution prevention for the Folsom community.

The Municipal Operations Element specifies activities for controlling stormwater pollution which may occur during operation of city-owned facilities in Folsom. These include public buildings, parks and open space, the City corporation yard, transportation facilities, storm drains and drainage ways, the sewer collection system and pump stations, and the water distribution system and water treatment plant. The City is not responsible for facilities and operations managed by special districts (e.g., school district) and federal and state facility operators (e.g., Bureau of Reclamation, Folsom State Prison).

Municipal Operations Element Strategy

The City's strategy for controlling stormwater pollution from City facilities and operations involves maintaining a good inventory of the operations, training affected employees, and ensuring good communication/coordination between City departments and with contractors to provide technical assistance, evaluate program effectiveness, and resolve issues in a collaborative way.

These combined efforts help ensure that City designers, contract administrators, and operations and maintenance staff understand, implement, and demonstrate compliance with the Stormwater Permit in order to reduce stormwater pollution to the maximum extent practicable.

Inventory of Folsom's Facilities and Operations

The following is an inventory of the City-owned facilities and operations addressed by this element:

Buildings and Yards

Buildings – The City owns and operates City Hall, the Folsom Library, Folsom Police Department, four fire stations, a Senior Arts and Cultural Center, Folsom Community Center, Folsom Rotary Club House, and the R.G. Smith Club House. Various City departments manage these facilities. Building and parking lot maintenance is conducted by city personnel and contractors.

Corporation and Maintenance Yards – The City's main corporation yard is used by the Departments of Public Works and Utilities. It includes various buildings (offices, storage buildings and maintenance shops), a wash rack, and is covered by an NPDES Industrial Stormwater General Permit enforced by the Regional Water Board. The City Parks Department also owns and operates two maintenance yards (Kemp and Rodeo Park). A stormwater pollution prevention plan has been prepared to address stormwater pollution prevention at the Kemp facility, but one is not required for Rodeo Park because there is no potential for pollutants to enter the storm drain system at this location.

Parks and Recreational Facilities and Open Space

City parks and recreational facilities – The City Parks and Recreation Department operates and maintains 38 parks in Folsom (including vegetation and waste management). The City also owns and manages several recreational facilities with outdoor spaces, including the Folsom Sports Complex, Aquatic Center, Folsom Zoo and Dan Russell Arena.

Trails and Open Space – The City of Folsom has an extensive system of Class I Bike / Pedestrian trails. There are approximately 32 miles developed and available to enjoy. The trails are primarily along Humbug Creek and Willow Creek. Collectively this part of the trail system is referred to as the Humbug-Willow Creek Trail (HBWC). There are several other significant trails within the system including the Folsom Rail Trail (along Folsom Boulevard), the Folsom Lake Trail (to connect to El Dorado Hills and Lake Natoma), and the Oak Parkway Trail. There is approximately 4,200 acres of open space in Folsom which includes, federal and state property as well as parks. Approximately 1,100 acres of this open space is managed by the City of Folsom.

Parking Lots

City-owned parking lots – The City owns several parking lots amongst the various departments and City facilities (i.e., parks and recreation facilities, fire, police, light rail park and ride lots, City Hall, and three public parking lots, one of which is the City’s new Historic District parking structure). Most parking lot maintenance is conducted by the department which manages the facility. In some cases the Public Works Department provides parking lot sweeping for other department’s facilities.

Storm Drain System

The City’s Public Works Department plans, constructs, operates and maintains the various components of the City storm drain system:

Piped storm drain system – In fall 2006 there were 178 miles of piped storm drain in the city. Due to new development, there are new facilities being added all the time. The Annual Reports will provide an updated inventory each year. Storm drain pipe and associated drain inlets and manholes in the city are maintained by the City’s Public Works Department.

Storm drain inlets – There are about 5276 storm drain inlets and 3652 manholes within the city’s public property and ROW. Due to new development, there are new facilities being added all the time. The Annual Reports will provide an updated inventory each year. All private and public storm drain inlets in the city are required to be marked with “No Dumping-Drains to Creek” messages. City maintenance crews check the City-owned drain inlets during routine maintenance activities and replace any found to be damaged or missing. New storm drain inlets installed in the city as part of development projects are required to have a permanent “No Dumping” message; this is verified by the city inspectors during construction.

Channels and creeks – Almost 23 miles of manmade drainage channels and natural creeks are maintained by the City. This includes portions of Willow, Humbug, Alder and Hinkle Creeks, and various unnamed tributaries.

Detention basins – There are about 61 water quality and/or flood control detention basins located throughout the city. Additional basins and other types of stormwater quality control measures are expected in the future, due to new development. The Annual Reports will provide an updated inventory each year. The basins are operated by either a private property owner, homeowners’ association or the City.

Sanitary Sewer Collection System

The City’s Department of Utilities is responsible for managing and maintaining the City’s sanitary sewer (wastewater) collection system, which ultimately discharges into the Sacramento Regional County Sanitation District interceptor sewer system. Wastewater is then carried to the Sacramento Regional Wastewater Treatment Plant in Elk Grove for treatment.

The Utilities Department’s Waste Water Division inspects, cleans, repairs and maintains the 267 miles of pipeline and 9 lift stations in the City of Folsom. The City’s sanitary sewer collection system is covered by an individual NPDES Permit.

Water Supply System

The City's Department of Utilities manages the City's water supply system. The City's Water Division inspects, repairs and maintains 250 miles of pipelines, 10 water storage reservoirs, 20 pressure reducing valve stations, and its own Water Treatment Plant.

Transportation Facilities

Streets, Signals, Signs and Streetlights – The City's Public Works Department plans, constructs and operates the City's road system. There are about 260 miles of streets in the City, including over 420 curb miles of curbed streets. The City coordinates with Caltrans on new construction or improvements to Highway 50 interchanges, and with Regional Transit on Light Rail extension and improvement projects. The City also owns and operates 4 major bridges: Folsom Lake Crossing, Rainbow Bridge, Orangevale Bridge and Lake Natoma Crossing.

Roads and Roadside Vegetation - About 67 miles of roadside vegetation is maintained by the City Public Works Department and approximately another 40 acres of right-of-way landscape is also maintained by the City Public Works Department. Also, in the City of Folsom, there are 23 Landscaping and Lighting (L&L) Districts. In these Districts, the City maintains and services the public improvements; such improvements consist of landscape corridors and median islands as well as streetlights. In some instances, L&L Districts maintain walls, fences, open space areas, and/or other public improvements such as art work.

Intra and Interagency Coordination

Internally, Public Works coordinates with the Community Development, Utilities and Parks Departments on specific projects, through the city's stormwater quality committee and annual training workshops.

Externally, the City coordinates with the other permittees, stormwater programs, and local, state, and federal agencies to share information, strategies, and recommended practices related to operation and maintenance of City-owned facilities.

The City will coordinate with special districts (e.g., school district, Sacramento-Yolo Mosquito & Vector Control District) and federal and state facility operators (e.g., Bureau of Reclamation, Folsom State Parks) on a project-specific basis to make sure that measures are in place to protect the City's storm drain system. The City is not responsible for such facilities and operations.

Accomplishments to Date

Folsom has made several notable accomplishments related to the Municipal Operations Element:

- Established a GIS-based asset management system which provides for effective and efficient operation of the City's transportation, storm drain, sanitary sewer and water distribution systems.
- Completed the inventory of detention basins, developed maintenance guidelines, and completed 2008 pilot project on two basins to test and refine the procedures, including investigating disposal methods for sediment and vegetative debris.
- Contributed to the development of the *River Friendly Landscaping Guidelines* (2007) and associated *Homeowners' Guide* (2008). This program won the 2008 Environmental Leadership award from the Sacramento Environmental Commission. Based on the success of *River Friendly*, in 2008 the City took a leadership role in developing and implementing the *Green Gardener* education and training program for agency staff and private landscape contractors.
- Completed inspection of all drain inlets on public property for proper "no dumping" markers.

Activities for the 2008-13 Permit Term

Table 7.5-1 at the end of this chapter summarizes the activities that will be conducted for this program element during the 2008-13 permit term, along with associated performance standards, effectiveness assessment methods and a five-year implementation schedule. The table was developed to demonstrate compliance with Provision 10 of the Stormwater Permit.

This section describes the planned activities in more detail.

Illicit Discharge Response

The City stormwater inspector and/or maintenance crews will be dispatched quickly to respond to all incidents where an illicit discharge threatens to enter or enters the storm drain system. In cases involving hazardous materials, the Folsom Fire Department will get involved. See Section 7.6 for a description of these activities.

Stormwater Pollution Control for Construction and Development of City-Owned Projects

The City will comply with the Construction Program Element requirements during Municipal Capital Improvement Projects, and will obtain coverage under the General Construction Permit for projects requiring coverage. See Section 7.3 for more details.

The City will continue to implement New Development Standards at municipal projects, including construction of source control and treatment control measures when needed based on the criteria in the Design Manual. See Section 7.8 for more details.

Facility Management

Maintenance of Buildings

The buildings that are owned by the City are operated and maintained by the various departments in which they reside. The operations and maintenance of the Corporation yard is regulated in accordance with the requirements of its Industrial General Permit and SWPPP. The Public Works Department is the lead for this permit and will update the SWPPP if conditions at the site should change. The City owns and operates two materials storage yards. Only one of them, the Kemp Facility, was determined to have the potential to discharge to the storm drain system therefore that site has a SWPPP. The other site is not connected to/in proximity of the storm drain system or a waterway therefore does not have a SWPPP however training of proper BMP's is provided annually.

Operation and Maintenance of City Parks and Public Facilities

The City's Parks and Recreation Department and Municipal Landscape Services Division will continue to manage the 38 parks and public facilities within the city limits and any new parks built as the city develops. The Public Works Department will continue to provide training to park maintenance staff and supervisors during the 2008-13 permit term to ensure that pollutants are not discharged to the City's storm drain system or local creeks due to the Park Department's operations.

For special events that can be reasonably expected to generate substantial quantities of trash and litter, the City has provisions, as part of the special use permit issued for the event, requiring the proper management of trash and litter and/or the City will provide the clean up services after very large events.

Pesticide Management

The City will implement the Pesticide Plan developed by the Partnership and approved by the Regional Water Board. Pest control operations conducted or contracted by the City relate to parks, trails and open spaces, lighting and landscaping districts and City-owned buildings. The City will continue to employ several licensed pesticide applicators to oversee and ensure training for Parks maintenance staff

responsible for applying pesticides at City-owned park and recreational facilities in accordance with the Parks Department's written IPM procedures. Chemicals for park pesticide operations will be stored according to regulations at the Kemp Maintenance Facility. The City will continue to contract with various licensed pesticide applicators for pest control in public landscaped areas managed by the L&L District and at other City buildings and facilities. Early in the 2008-13 permit term, the City will complete a review of procedures used by the L&L District staff and contractors and other City departments (other than Parks) and make recommendations for incorporating IPM protocols into purchasing and contracting activities.

The City's Arborist will continue to oversee tree species selection and location for City-owned and private development projects to encourage native species, minimize the need for water, pesticides and fertilizers, and ensure longer term survival. In addition, the City Water Conservation Coordinator will continue performing audits of residential, commercial and City-owned irrigation systems to increase water use efficiency and prevent runoff which could carry pesticides to the storm drain system and local creeks.

The City will continue to promote and distribute the award-winning *River Friendly Landscaping Guidelines* and associated *Homeowners' Guide* to residents and landscape contractors during work in the City. The City will also continue its leadership role in implementing the Green Gardener education and training program for agency staff and private landscape contractors.

Storm Drain System Maintenance

The City's Public Works Street Maintenance Division will continue to systematically inspect and clean the storm drain system and associated drainage and treatment systems, including creek and channel maintenance. The intent is to remove accumulated debris (and associated pollutants), prevent flooding and eliminate nuisance problems (e.g., odor, vectors). Sediment and vegetative debris collected during these operations will be managed and disposed of in accordance with regulatory requirements. The City's Stormwater Program Manager and Maintenance Supervisors will continue to evaluate the storm drain operation and maintenance activities to ensure that proper BMPs are implemented during maintenance activities, storm drain inlet markers are replaced when illegible, and that adequate record keeping capturing overall maintenance activities and quantities of waste removed is performed. The annual refresher training will include activities and facilitated group discussion intended to evaluate the effectiveness of these activities and identify and resolve issues.

The City Public Works Street Maintenance Division will inspect and maintain most City-owned basins; some basins are managed by the Municipal Landscape Services division or the City's Parks and Recreation department. The City will continue to utilize and update its GBA asset management database to track inventory, inspection and maintenance activities. Maintenance practices will be evaluated each year and updated accordingly. Several of the detention basins within the City are privately owned by an HOA or other entity. The City will provide support to these private entities to ensure proper maintenance practices are in place. Maintenance agreements will be required for all newly planned and constructed basins.

Storm Drain Inlet Marking

City maintenance crews will continue to check the legibility of existing storm drain stencils and markings during routine maintenance activities and replace any that are noted as damaged or missing as soon as practicable. The city planners, engineers and field inspectors will continue to verify that new storm drain inlets installed in new developments include a permanent "No Dumping" message.

Operation and Maintenance of Transportation Facilities

Prioritized Street Sweeping for Curbed Streets

The City Public Works Department will continue to sweep about 420 curb miles of curbed streets using two vacuum and one mechanical sweeper. The City will follow this prioritized schedule:

- Priority A: Arterials – Quarterly, year round, weather permitting.
- Priority B: Collectors – Quarterly, year round, weather permitting.
- Priority C: Residential – Upon approved request or special circumstance.

City staff will annually quantify the total amount of pollutants removed from street sweeping activities. Annual training will be performed to ensure that BMPs are implemented during street cleaning and roadway maintenance operations. Training of maintenance activities will also ensure that BMPs are implemented to prevent street sweeper rinse out water, concrete chute rinse water, and saw cut slurry from entering the storm drain system.

Implement BMPs for Road Maintenance Activities

The City's Public Works Department will continue to repair and improve roads to safely accommodate vehicle traffic, pedestrians and bicyclists. Annual training will be performed to ensure that BMPs are implemented during sidewalk and roadway maintenance operations. Training of maintenance activities will also ensure that BMPs are implemented to prevent concrete chute rinse water and saw cut slurry from entering the storm drain system.

The annual refresher training will include activities and facilitated group discussion intended to evaluate the effectiveness of these activities and identify and resolve issues.

Inspection and Maintenance of City-Owned Parking Lots

Parking lots exposed to rainfall will be inspected and maintained at least annually prior to the wet season by the responsible City department (in most cases the department occupying the adjacent building/facility). Maintenance activities will include trash/debris removal, sweeping and removal of oil stains involving collection and proper disposal of the waste water.

Roads and Roadside Vegetation

The City Public Works Department will continue to operate and maintain almost 70 miles of roads and associated roadside vegetation and will also continue to maintain approximately 40 acres of landscaping in the public right-of-way. The City's Municipal Landscape Services division will continue to maintain landscaping in 23 L&L Districts, parks and some open space areas. Such improvements in these districts consist of landscape corridors and median islands as well as streetlights. In some instances, L&L Districts include maintenance of walls, fences, open space areas, and/or other public improvements such as art work. All landscaping practices will be conducted following the River Friendly Landscaping and Green Gardener principles to the extent possible, in order to minimize water, pesticide and fertilizer use, curb greenhouse gas emissions, and reduce green waste sent to the landfill. All City green waste is sent to Sacramento County's green waste processing facility. IPM protocols will be incorporated as recommended by the review completed early in the 2008-13 permit term (see previous IPM discussion).

Stormwater Pollution Control During Fire Emergency and Non Emergency Operations

The City's Stormwater Program Manager will continue to work with targeted departments (including Fire) to ensure that during emergency responses to repair essential public services and infrastructures, that stormwater BMPs are implemented to the extent that measures do not compromise public health and safety and also that during training and maintenance activities BMP's are implemented to prevent stormwater pollution from entering the storm drain system.

The City will develop a response plan for pollution prevention during emergency procedures and a list of BMP guidelines for non-emergency maintenance and training activities.

Operation of the Sanitary Sewer Collection and Water Distribution Systems

The City has an individual NPDES Permit for capacity, monitoring, operation and maintenance of its sanitary sewer collection system. This permit requires quarterly reports documenting maintenance, capital projects and public education efforts as well as maintenance of emergency procedures and documentation and reporting of overflows. The City's Stormwater Program Manager and Utilities Supervisors will continue to evaluate the operation and maintenance activities to ensure that proper BMPs are implemented; the annual refresher training will address this as well.

Waste Collection

The City's waste collection operations include weekly pick up of garbage, recyclables and green waste, a door to door household hazardous waste pick up program and a program that picks up bulk items, as requested, triennially. This convenient program helps to keep the wastes out of storm drains and local creeks.

Maintenance of Fleet Vehicles

All fleet vehicles will continue to be washed and maintained at the Corporation Yard, which is covered under the State's Industrial General Permit. The wash rack is plumbed to the sanitary sewer system and the crews using the rack are trained in proper procedures via the annual refresher training.

City Employee Training

The City's Stormwater Program Manager will continue to provide technical assistance to facility operators and maintenance crews as requested and needed to promote proper implementation of BMPs in routine City operations and to response to illicit discharge incidents, public complaints or Regional Water Board referrals. Annual refresher training will continue for affected employees in Parks, Utilities and Public Works Departments related to stormwater pollution prevention and the requirements of the permit, as discussed in Section 7.2.

Effectiveness Assessment

The general approach to assessing the effectiveness of the stormwater program and individual program elements is described in Chapter 2. Table 7.5-1 describes the assessment methods the City will use to more specifically evaluate the municipal operations program element activities during the 2008-13 permit term. The goal will be to move toward outcome levels 2 and 3 (changing awareness and behavior, respectively, of the County employees) for some tasks. The remaining tasks will continue to be evaluated at outcome level 1 (documenting and confirming permit compliance).

Key indicators have been selected for various tasks to demonstrate progression towards overall stormwater program goals for this particular element. A summary of the status of key indicators will be used to assess overall program effectiveness in the annual reports.

Effectiveness assessment results will be presented in the annual reports and may be used to recommend modifications to the SQIP.

7.6 Illicit Discharge and Detection Program Element

The mission of the Illicit Discharge and Detection Program Element is to effectively eliminate all illegal non-stormwater discharges to Folsom's storm drain system and receiving waters.

Any material dumped or discharged into the City's storm drain system eventually makes its way to a local creek and/or river, where it can impair beneficial uses. This is true whether the material is classified as hazardous or not; even sediment can harm the creeks. Water quality, habitat, and aesthetics are all examples of benefits that can be impacted. This section addresses the activities that the City of Folsom conducts to ensure that non-stormwater (illicit discharges) are prohibited, as well as reported, investigated and eliminated as soon as possible.

The storm drain system in Folsom consists of a network of drain inlets, manholes and piping, as well as streets, sidewalks, gutters and roadside ditches, and many detention/water quality basins which discharge to local creeks and rivers. Urban runoff from driveways, parking lots, roof drains and other surfaces typically discharge directly into this system.

Two kinds of discharges are addressed by this element:

- *Illegal dumping* – Dumping of liquid or solid wastes into the storm drain system. Examples include mobile carpet cleaning companies discharging dirty rinse water into a storm drain manhole, a homeowner dumping used motor oil into a storm drain inlet, or a person dumping garbage or other wastes into drainage channels and creeks.
- *Illicit connection* – A piped connection allowing sanitary sewage to flow into the storm drain system. For example, a washing machine plumbed into the storm drain system rather than the sanitary sewer.

Illicit Discharge Element Strategy

The City works toward eliminating illicit discharges to its storm drain system and receiving waters through its legal authority, response and investigation, proactive household hazardous waste program and educational activities, as discussed below.

Maintain adequate legal authority to prohibit illicit discharges. The City of Folsom Stormwater Management and Discharge Control Ordinance (FMC 8.70) prohibits the discharge of non-stormwater into Folsom's storm drain system and local receiving waters. An exception is provided for certain discharges (e.g., springs, water line flushing, landscape irrigation, residential car washing and street wash water), which are allowed by the stormwater permit (Discharge Prohibition B2) unless such discharges are identified as a source of pollutants to receiving waters. Designated city staff and County EMD are authorized to enforce the ordinance within the city limits.

Response and investigations. The City has conducted a system-wide field screening for illicit discharges and continues to screen for illicit discharges and connections as a part of routine maintenance of the storm drain system. Enforcement action is taken against dischargers. A public reporting hotline is provided to make it easy for residents to report problems. The City responds to all reports quickly and conducts investigations, working collaboratively between City departments, and/or conducting enforcement until the discharge is eliminated.

Proactive HHW collection program. The City implements a unique HHW program, whereby residents may call for a pickup from their residential driveway. This deters illegal dumping of hazardous and universal wastes into storm drains and local creeks.

Educational activities. The City has created incident response procedures and educates its staff, contractors and the public about how to identify and report illicit discharge problems. This effort includes educational materials, signage and training.

Intra and Interagency Coordination

The City Public Works Department Stormwater Pollution Prevention Inspector is the primary point of contact for illicit discharge referrals and response. The City Public Works Department inspector and Stormwater Program Manager coordinate with the Utilities Department's Solid Waste, Sewer and Hazardous Materials Divisions to conduct the activities described in this section. Public Works crews conduct ongoing field screening for illicit discharges and connections as part of their work and in turn, coordinate with the Utilities Department to clean up and dispose of any polluted or hazardous wastewater. If progressive enforcement action against the discharger does not eliminate the problem, the City will then coordinate with City Code Enforcement.

The City coordinates with the other permittees in the Partnership to share information, but for the most part, activities are conducted on a permittee-specific basis.

Accomplishments to Date

The following highlights some major accomplishments related to this program element:

- In 2006, a new hotline, 808-4H20, began allowing callers to select Folsom and be routed to the City for assistance on City-related issues or complaints. The hotline is administered by the City of Sacramento on behalf of the permittees and is now widely advertised on all Partnership educational materials, media spots, and on the web site.
- Completed field screening for illicit connections for all open channels, underground pipes in priority areas and all underground pipes with a diameter of 36 inches or greater.
- The City has established and annually updates an illicit discharges map to identify “hot spot” problem areas requiring additional or more frequent investigations. The map is included in each annual report.
- The City Public Works Department developed a database which tracks and documents illicit discharge referrals, inspection and enforcement action activity.
- The City Public Works Department developed a door hanger to be used and distributed by City staff, such as Maintenance Workers, Inspectors and others who are often in the field. The door hanger was designed to be used as educational outreach when potential stormwater pollution issues are observed. A copy of the doorhanger can be found on the City's stormwater web page: <http://creeks.folsom.ca.us>

Activities for the 2008-13 Permit Term

Table 7.6-1 at the end of this chapter summarizes the activities that will be conducted for this program element during the 2008-13 permit term, along with associated performance standards, effectiveness assessment methods and a five-year implementation schedule. The table was developed to demonstrate compliance with Provision 11 of the Stormwater Permit.

This section describes the planned activities in more detail.

Legal Authority

The City of Folsom Stormwater Management and Discharge Control Ordinance (FMC 8.70) prohibits the discharge of non-stormwater into Folsom's storm drain system and local receiving waters. An exception is provided for certain discharges, which are allowed by the stormwater permit (Discharge Prohibition B2) unless such discharges are identified as a source of pollutants to receiving waters.

Within one year of Regional Water Board approval of the SQIP, the Stormwater Ordinance will be evaluated to determine if changes are required to ensure adequate coverage and authority.

Reporting of Illicit Discharges

The City will continue to work with the Partnership to sponsor and advertise the stormwater hotline number (808-4H20). The City's stormwater inspector, maintenance crews and/or Fire Department (depending on the type of spilled material) will be dispatched as soon as possible to investigate all reports received via the hotline, permittee/other agency referrals or Regional Water Board referrals. A flowchart describing the City's stormwater incident response procedures was developed collaboratively by the City's Stormwater Committee. The City recently reorganized certain departments, divisions and activities. The flow chart will be updated to reflect these changes and will be discussed during employee annual refresher trainings. The update will be submitted with an annual report.

Ongoing Field Screening for Illicit Discharges and Connections

As part of the normal drainage system maintenance procedures, crews will routinely inspect all areas of the drainage system for evidence of illicit connections and illegal discharges. When discharges are found, crews will investigate and conduct follow-up activities to identify the source and eliminate any verified non-authorized, non-stormwater discharge. The City's doorhanger will be distributed in neighborhoods by City crews, in cases where their appears to be a potential stormwater pollution issue or discharger cannot be identified. A copy of the doorhanger can be found on the City's stormwater web page:

<http://creeks.folsom.ca.us>

Investigation of Illicit Discharges and Connections

Upon discovery of an illicit connection, the City will initiate an investigation within 21 days to determine the source, nature and volume of discharge, and potential responsible party. Upon confirmation of the illicit connection, the City will take enforcement action to terminate the connection as soon as possible, but not longer than 180 days after confirmation.

Reports of non-hazardous discharges will be investigated within five days and discharges suspected of being hazardous within one day of discovery.

The Hazardous Material Division will continue its program to collect household hazardous waste from City customers. These efforts help to eliminate or reduce dumping of pollutants into the City storm drain system.

Illicit Discharge Response, Containment and Cleanup

The City on-call maintenance crew and the City Fire Department will continue to provide 24-hour spill response services. All staff involved in spill response are thoroughly trained according to State regulations and a spill response plan is maintained and followed that includes procedures and reporting requirements. When a report is issued, response personnel will work to identify, contain and dispose of any waste as quickly and safely as possible. The Code Enforcement Division will follow up with any fines and case referrals for incidents requiring such action.

For illicit discharges that are known or suspected to contain hazardous substances, the City will respond within one (1) business day to abate, contain, and cleanup any illicit discharge.

Overflows, spills and infiltration of the sanitary sewer system (including the response and elimination procedures employed) are covered under the City's NPDES Permit for the operation of the sanitary sewer collection system.

Enforcement

The City's stormwater inspector and other designated City staff are authorized to enforce the Stormwater Ordinance to ensure that problems are quickly eliminated. All investigated violations are referred to the Code Enforcement Division to ensure proper documentation for progressive enforcement, including the possibility of recovering cleanup costs. In some instances, cases are referred to the City Attorney's Office.

Data Management

The City will continue to track data and update the illicit discharge map that shows the location of illicit discharges for identifying potential needs for further investigation or possibly outreach material. Each year, this information, along with any investigations underway or completed, will be reported in the Annual Report.

Waste Collection Programs

See section 7.5 Municipal Operations Program Element for a description of the City's Waste and Household Hazardous Waste Collection programs and activities which help to keep pollutants out of the storm drains and local creeks.

Education and Outreach

As with many other control programs, education is the key to successful implementation. The maintenance crews are the eyes and ears of the City and are responsible for responding to a majority of the illegal discharge calls. These crews will be trained annually (as part of their routine refresher training) about steps to take when an illicit discharge is discovered or reported, including containment and cleanup, if appropriate, or referral to another department or agency for cleanup (e.g., Fire Department), and interacting with any interested members of the public in the vicinity of the discharge (including using the doorhanger and other outreach material).

Employee and Contractor Training

All storm drain maintenance crews will continue to receive annual refresher training related to illegal discharge and illicit connection detection and elimination. Hazardous Materials Division personnel and the Sewer Division personnel will be trained to properly respond to, contain and dispose of waste from unintentional spills or intentional dumping of waste. Refer to Section 7.2 for more information about Folsom's annual refresher training for all employees affected by the stormwater permit.

Effectiveness Assessment

The general approach to assessing the effectiveness of the stormwater program and individual program elements is described in Chapter 2. Table 7.6-1 describes the assessment methods the City will use to more specifically evaluate the illicit discharges program element activities during the 2008-13 permit term. For a period of time, the City expects and increase in reports, inspections, etc as public outreach efforts are stepped up via the new doorhanger, etc. At some point in the future it's expected to show a decrease as a indicator of effectiveness of outreach efforts that change awareness/behaviors. The goal will be to move toward outcome levels 2 and 3 (changing awareness and behavior, respectively, of dischargers and the public) for some tasks. The remaining tasks will continue to be evaluated at outcome level 1 (documenting and confirming permit compliance).

Key indicators have been selected for various tasks to demonstrate progression towards overall stormwater program goals for this particular element. A summary of the status of key indicators will be used to assess overall program effectiveness in the annual reports.

Effectiveness assessment results will be presented in the annual reports and may be used to recommend modifications to the SQIP.

7.7 Public Outreach Program Element

The mission of the Public Outreach Program Element is to raise awareness, encourage behavioral change and foster community stewardship to promote stormwater pollution prevention in Folsom.

Public education is an important element of the City of Folsom's stormwater program. Through this element, the City informs the general public and targeted audiences about pollution prevention, encourages behavioral change, and fosters community stewardship to protect the creeks and watersheds within the city. In compliance with the stormwater permit, the ultimate goal is to reduce pollutants discharged in urban runoff to the storm drain system and local waterways to the maximum extent practicable.

Public Outreach Strategy

The City contributes to the multi-faceted regional public outreach efforts described in Chapter 2 (section 2.6) according to the Sacramento Stormwater Quality Partnership's cost-share agreement. The Partnership's regional activities are typically administered and managed by Sacramento County and the City of Sacramento, the two largest permittees. Joint funding for projects with a regional benefit provides an economy of scale which is important in times of diminishing resources, particularly given the fact that regional outreach (e.g., media campaign) is typically very expensive. Regional collaboration ensures that consistent messages can be conveyed to a wider audience, touching residents, schools and businesses across the county. Folsom is in the same radio and television markets as the other permittees and is in the distribution area for the *Sacramento Bee* newspaper. In addition, with combined resources, the permittees can hire experts to conduct surveys and analyze effectiveness data which can be used to refine the program over time.

In addition to contributing funds, the City provides in kind services to support regional outreach. For example, Folsom provides staff for the Partnership's stormwater booth at various public events each year, such as the Salmon Festival held at the nearby Nimbus Hatchery on the American River. The City also distributes educational materials produced by the Partnership to the local population.

Finally, the City independently provides local, targeted outreach to Folsom residents, schools, community groups and businesses, and involves the public in meaningful community stewardship projects, as described in this section. The key target audiences in Folsom include:

- Residential households (about 20,000)
- Schools: 11 elementary, 2 middle, 2 high schools and 1 community college)
- Businesses and industrial facilities (see Section 7.4 for profile; almost 300 businesses are inspected by the County EMD every 3 years on behalf of the City and there are many more retail/commercial businesses)
- Community groups such as the Boy/Girl/Cub Scouts
- Environmental and recreational advocates such as the Friends of the Folsom Parkway
- Development community (developers, contractors, engineers and design professionals)
- Local elected officials, City managers and employees

Demographics for the City are as follows (2005 Data):

Population 67,906

Median age 34.3

Percentage High School Graduate or Higher 91.9%

Percentage Bachelor's Degree or Higher 44.5%

Median Household Income \$78,317

Mean Family Income \$112,121

Racial Diversity: White 80.5%, Black 2.5%, American Indian/Alaskan 0.1%, Asian 8.6%, Native Hawaiian/Islander 0.1%, Other 5%, Two or more races 3.2%

Intra and Interagency Coordination

Folsom coordinates with the other permittees on regional public outreach issues primarily through the Steering Committee meetings. This includes review of work products, consultant scopes of work and other items. In about January of each year, Folsom requests and reviews the projected regional outreach budget from the County and City of Sacramento so that adequate funds may be set aside in the new fiscal year budget to cover Folsom's contribution according to the cost-share agreement.

Internally, the work is managed by the City's Stormwater Program Manager in the Public Works Department, who coordinates efforts with the Parks and Utilities Departments as well as the City Manager's Office.

Accomplishments To Date

Chapter 2 (section 2.6) describes major accomplishments related to regional public outreach by the Partnership and the County of Sacramento since 1990. In addition, the following describes several key accomplishments made by the City itself:

- Established a stormwater quality page on the City's web site to better address the stormwater pollution prevention program and provide links to the Partnership web site and included informative articles about the stormwater program in the monthly City newsletter, which reaches approximately 20,000 households.
- Created a creek awareness brochure with fold-out creeks map for public distribution and a doorhanger for distribution by City crews to homes and businesses in areas where stormwater pollution concerns are discovered.
- Worked with the Friends of the Folsom Parkway and local scouts' troops to establish and support the Folsom Creek Watchers Program. This program is a grass-roots effort which began during the April 2008 Creek Cleanup on Alder Creek, when a local Cub Scouts troop approached the City about conducting cleanup and educational activities year-round along Folsom's creeks. During 2008-09, three major segments of Humbug Creek were adopted by several troops and cleanups and associated educational events with expert guest speakers were conducted throughout the year. These efforts reached about 165 scouts and their parents and resulted in over 500 pounds of trash and debris removed. The Creek Watchers made a presentation to the Folsom City Council in April 2009 and secured grant funds to expand the program in 2009-10. Additional details will be provided in the City's October 2009 Annual Report.
- Sponsored and staffed several annual outreach events in Folsom for many years, notably the April Folsom Creek Cleanup Day (combined with City Trails Day event) and the public works celebration in Rodeo Park, which includes an interactive stormwater education booth. Each year, these events reach a combined audience of about 600 people.

- Secured grant funding to conduct the Alder Creek Watershed Management Program, a 3-year, \$400K effort which entails engaging a diverse group of stakeholders in the process to conduct a watershed assessment and prepare a management plan for the 11-square mile watershed. Over half of this watershed is slated for future development in the next ten years, and the grant program will help ensure protection of the creek and watershed resources as development proceeds.
- Developed a Wholesome Folsom, Less Toxic Pesticide Campaign which is grant funded and provides free education and products to residents to encourage use of IPM practices.
- Continued the door to door Household Hazardous Waste Pickup Program and provided educational presentations to middle school and high school students regarding this program and less toxic alternatives.
- Developed BMP Guidelines for carwash fundraisers. City staff continued to work with various groups and businesses in the community to educate and inform them about the potential pollution problems associated with car wash fundraisers. Organizations are required to notify and comply with the City's BMP guidelines for car wash fundraisers.
- Included articles in the City of Folsom Newsletter on topics such as proper household hazardous waste disposal, creek awareness and pollution prevention, river friendly landscaping and getting ready for the wet season. These articles were included in the COF Newsletter approximately 2 to 3 times a year and reach approximately 22,000 households.
- Continued implementation of the Park & Recreation Department's Pet Waste Program. Folsom has 30 pet waste bag dispensers and disposal containers installed in several City parks and residential areas.

Activities for the 2008-13 Permit Term

Partnership Activities

See Chapter 2, Section 2.6 for detailed information about activities that will be conducted by the Partnership related to regional public outreach. Residents, businesses and students attending Folsom schools are addressed through those efforts.

City-Specific Activities

Table 7.7-1 at the end of this chapter summarizes the City-specific activities that will be conducted for the this program element during the 2008-13 permit term, along with associated performance standards, effectiveness assessment methods and a five-year implementation schedule. The table was developed to demonstrate compliance with portions of Provision 12 of the Stormwater Permit.

This section describes the planned activities in more detail.

Public Participation

Folsom encourages the public to actively participate in all the outreach events and activities it sponsors, via the City web site, City newsletters, Utility bill inserts and other means. See the discussion on public outreach implementation, below, for more information.

Public Reporting Outline

The City will continue to support and promote the Partnership's 24-hour 808-4H20 hotline number for public reporting, as described in Section 7.6. This phone number transfers Folsom callers to the City's Public Works Department for follow-up investigation.

Public Outreach Implementation

Distribution of Educational Materials to Various Audiences

The City will continue to distribute its own creek awareness brochure, as well as educational materials produced by the Partnership, to target audiences in the city as described in the Regional Public Outreach section of this SQIP (Chapter 2, section 2.6).

Outreach to General Public

The City will outreach to the general public in multiple ways; most of these are a continuation of activities conducted for many years by the City:

- Provide information via the City website to address activities specified by the Stormwater Permit: auto repair, maintenance and washing; home and garden product use and water conservation; disposal of household hazardous waste, pet waste and green waste; and any additional pollutant source identified as significant.
- Prepare stormwater-related outreach articles for the public and city employees in the City's newsletter and will look for similar opportunities for articles in the local community newspaper: *The Folsom Telegraph*.
- Attend and promote stormwater pollution prevention at annual community events including Public Works Day (May) and the Urban Creek Council's Creek Clean Up Day (April).
- Explore and secure opportunities to partner with other departments (e.g., Utilities, Parks) to cost-effectively combine messages and advertise events; for example via utility bill inserts, the Parks Department's activity schedule and through the City's household hazardous waste collection and water conservation audit/outreach programs.
- Maintain the stormwater education display at the Folsom Zoo to educate zoo patrons about stormwater pollution and the need for prevention.
- Folsom has completed the stenciling and placard program for existing storm drain inlets using volunteer groups in addition to City crews. The City will continue to identify, and place signs along key waterways with a history of dumping problems, to discourage illegal dumping. The signs will be maintained throughout the permit term.

Outreach to Community Groups

The City will continue to sponsor and provide in kind services to the Folsom Creek Watchers Program, which is expected to evolve into the Folsom Adopt-a-Creek/Trail (ACT) program in 2009-10. Support may also include continued payment for outside experts to speak at events and educate the scouts and their parents. Additional details about this evolving program will be provided in the annual report.

Outreach to City employees, managers and elected officials

Folsom will maintain its CASQA membership in order to keep the City's stormwater program manager and other managers apprised of stormwater-related issues and regulations and enable cost-effective information and resource sharing. The City will send its Stormwater Program Manager to conferences and workshops, in accordance with the City's approved budget allotment for training, and will provide annual refresher stormwater training for all affected City employees, as described in Section 7.2.

Additionally, City staff will keep key managers informed about the Program throughout the year. Updates will be provided to the City Manager, and/or presentations will be made to the City Council or Planning Commission upon request. The City leaders will also be invited to participate in community events (e.g., Creek Week Clean up) to demonstrate support for the stormwater pollution prevention effort.

Public School Education

The City will continue to support education for school children, their teachers and parents, through the following activities:

- Support watershed assemblies performed by SYRCL, vernal pool/stream educational programs for 4-6th graders through the SPLASH program, as described in Chapter 2 (section 2.6).
- Conduct classroom presentations about household hazardous waste, stormwater pollution prevention and water conservation each spring to Folsom Middle School and Folsom High School students.
- Sponsor an interactive stormwater educational booth at the Public Works Week event in Rodeo Park each May.

Business Outreach

Development Community

As discussed in Section 7.3, the City will educate and engage contractors, engineers and design professionals through workshops conducted jointly with the other permittees, as well as the City's entitlement process, pre-application and pre-construction meetings, and on-site training provided in the field by the City's designated stormwater inspector.

Commercial and Industrial Community

The City will continue to work with the permittees to ensure outreach is provided to businesses in Folsom through the County EMD inspection and BERC's outreach programs, as described in Section 7.4. The City will work with commercial car washes and other businesses interested in sponsoring *River Friendly* car wash fundraisers at their facilities; this may include investigating the facility to determine its appropriateness in preventing illicit discharges to the storm drain system. In addition, the City's stormwater inspector will distribute industry-specific brochures and BMP guidance materials to businesses in Folsom during illicit discharge investigations and enforcement.

Watershed Stewardship

The City will continue its involvement and support of watershed stewardship projects and activities.

In late 2006 the City received a CALFED/State Department of Water Resources Grant (Proposition 50) to conduct the Alder Creek Watershed project. This project entails using an interest-based stakeholder-driven approach to conduct a watershed assessment and prepare a watershed management plan for the 11-square mile Alder Creek Watershed in Sacramento County. The vision is a protected, healthy creek and riparian corridor with recreational, educational and interpretive opportunities for existing and future community residents and local schools. The project budget is approximately \$400,000. Originally the project was scheduled for completion in June 2009 however due to suspension of State funding the completion date is uncertain. The City is unable to move forward on the project with out State funding, therefore is hoping it becomes available again very soon. The project is currently approximately 60% complete.

A smaller project example was the City's assistance to the Sacramento County Conservation Corps to prepare a small REI grant proposal to clean up stretch of Alder Creek near Broadstone Racquet club. The City would have provided in-kind services as match; however, the project unfortunately was not funded.

Effectiveness Assessment

The general approach to assessing the effectiveness of the stormwater program and individual program elements is described in Chapter 2. Table 7.7-1 describes the assessment methods the City will use to more specifically evaluate the public outreach program element activities during the 2008-13 permit term. Assessments of regional public outreach activities will be conducted by the Partnership as described in Chapter 2, Section 2.6. In general, the goal will be to move toward outcome levels 2 and 3 (changing awareness and behavior, respectively, of dischargers and the public) for some tasks. The remaining tasks will continue to be evaluated at outcome level 1 (documenting and confirming permit compliance).

Key indicators have been selected for various tasks to demonstrate progression towards overall stormwater program goals for this particular element. A summary of the status of key indicators will be used to assess overall program effectiveness in the annual reports.

Effectiveness assessment results will be presented in the annual reports and may be used to recommend modifications to the SQIP.

7.8 New Development Program Element

The mission of the New Development Program Element is to mitigate urban runoff impacts associated with new development and significant redevelopment projects in the City of Folsom.

This section of the Folsom SQIP addresses actions that Folsom will take to mitigate potentially harmful environmental impacts of development in Folsom.

Urbanization and land development can harm local creeks and rivers in several ways:

- Replacing natural ground with impervious surfaces (such as roofs and pavement) increases the volume and peak flow rate of stormwater runoff. Those changes to hydrology can lead to stream bank erosion, flooding, and habitat impairment.
- Adding impervious surfaces such as parking lots, streets, and roofs increase the temperature of the water discharged to creeks, potentially harming aquatic life.
- Converting land uses from rural to urban increases pollutant load from activities such as automobile and landscape maintenance.

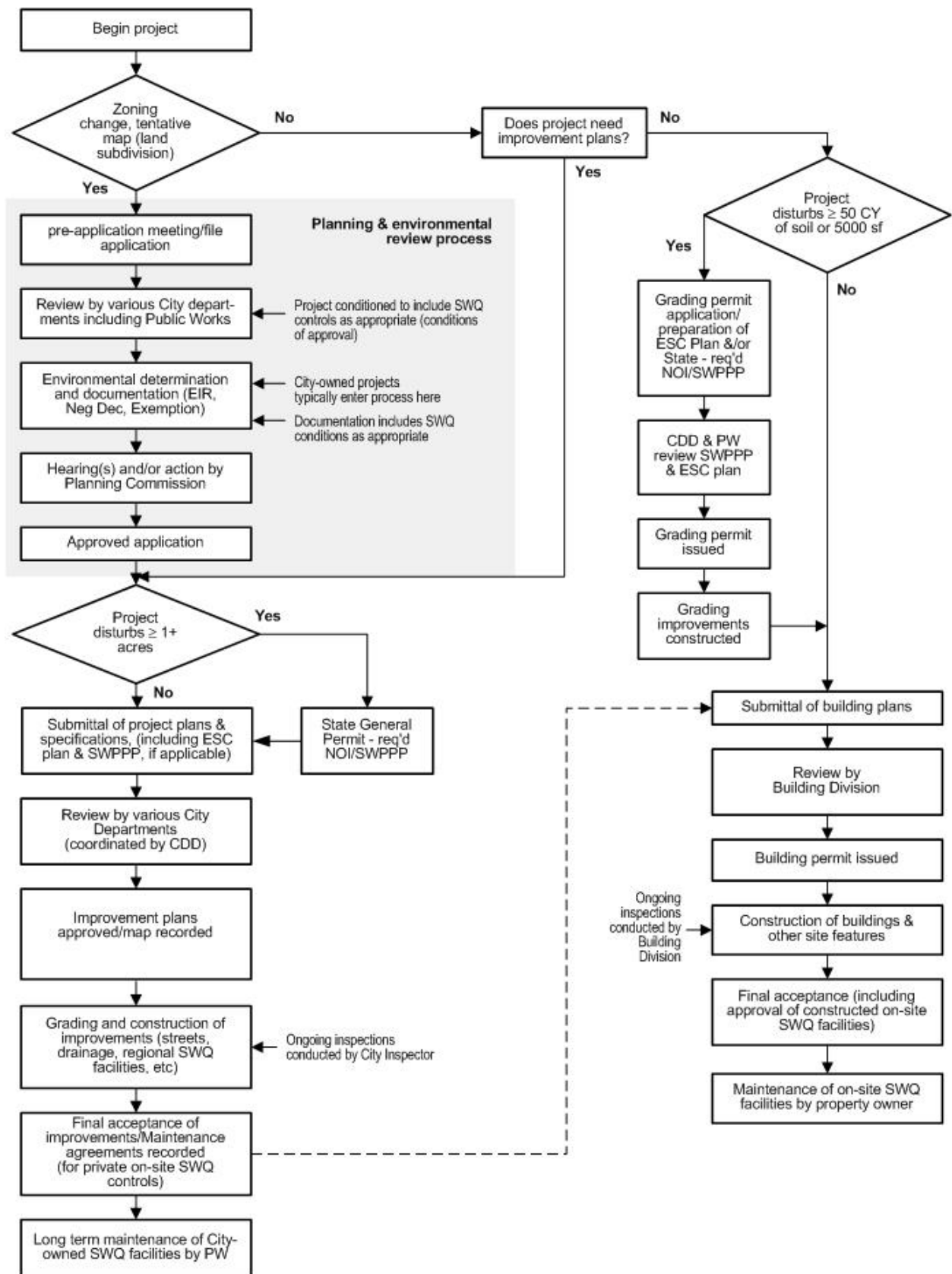
The stormwater permit requires Folsom and the other permittees to ensure that new development and significant redevelopment projects mitigate these impacts. Since 1990, the focus of the New Development Element has been on mitigating stormwater quality impacts. However, the 2008 stormwater permit contains new requirements to also address impacts to runoff volume and rate (hydromodification impacts) where those impacts could cause creek erosion and degrade creek habitat. This section describes actions to address these new requirements for the 2008-13 permit term.

New Development Element Strategy

The City's stormwater ordinance (FMC 8.70) provides the authority necessary for the City to require stormwater quality and hydromodification management control measures as conditions of approval for new and redevelopment projects. With this as a foundation, the City seeks to mitigate the potential harmful stormwater impacts from development and redevelopment with the following approach:

- Integrate stormwater quality considerations and requirements as early as possible into the planning, initial site design, and environmental review processes of both public and private projects. Figure 7.8-1 presents the City's review process for development projects.
- Provide technical guidance (such as the *Stormwater Quality Design Manual for Sacramento and South Placer Regions*), training opportunities and conduct ongoing outreach to the development community. Much of this work is done in concert with the other permittees, as described more fully in the County's SQIP (Chapter 4).
- Require site design features that help control pollution at its source, stormwater quality treatment control measures (preferably aboveground, vegetated) that cleanse runoff before it reaches creeks and rivers, and runoff reduction measures (low impact development, LID) to reduce the volume of runoff from developed projects. Runoff reduction measures are currently encouraged, but will become mandatory during the 2008-13 permit term.

Figure 7.8-1 – Folsom Development Review Process, see next page



CDD — Community Development Dept.; PW — Public Works Dept.; SWQ — stormwater quality; NOI — Notice of Intent; SWPPP — Stormwater Pollution Prevention Plan; ESC — Erosion and Sediment Control

The City of Folsom has been rapidly developing since the mid 1990s. In the last fifteen years or so, the City's population has grown 55% primarily due to the build out of areas such as Broadstone, the Parkway and Empire Ranch. The City's population is expected to grow by about 26,500 following annexation and build out in the City's Sphere of Influence (3600 acres planned for annexation south of Hwy 50). Alder Creek meanders through this agricultural grazing area and the City is working with stakeholders on a grant-funded project to prepare a watershed management plan for the area that will protect the creek's natural resources as development proceeds.

Intra and Interagency Coordination

The City's Public Works and Community Development Departments work together to provide drainage and stormwater review services for development applications in Folsom.

The City was an active participant in the permittee process to prepare the *Stormwater Quality Design Manual* in 2006-07 and will continue this role during the 2008-13 permit period related to development of new requirements for hydromodification management.

The City is leading the effort to prepare a watershed management plan for the Alder Creek Watershed in coordination with various stakeholders, including landowners and developers in the SOI, Gencorp (which owns the Easton Development property on the western end of the watershed), Sacramento County, the Bureau of Reclamation, State Parks, environmental groups and affected businesses such as the Folsom Auto Mall.

Accomplishments To Date

- Updated the stormwater ordinance (FMC 8.70) in 2004 to strengthen authority for requiring development-related control measures.
- Updated the City's CEQA initial study checklist and mitigation measure language to better address water quality protection and stormwater pollution prevention.
- Created a stormwater feature form for completion and submittal by new development project applicants, to document and track the type of stormwater features to be included on the project.
- Contributed to regional projects with other permittees to prepare the December 2003 Development Standards Plan (DSP). Within one year of approval of the DSP by the Regional Water Board, adopted development standards in May of 2006 and began applying them to new and redevelopment projects in the City of Folsom.
- Partnered with the County and the Cities of Sacramento, Rancho Cordova, Citrus Heights, Elk Grove, Galt, and Roseville to create the *Stormwater Quality Design Manual for the Sacramento and South Placer Regions*, finalized in May 2007. This two-year development process entailed outreach with the development community and meetings with a newly formed stormwater committee of the local Building Industry Association.
- Within one year of approval of the DSP by the Regional Water Board, adopted development standards in May of 2006 and began applying them to new and redevelopment projects in the City of Folsom.
- Executed maintenance agreements with property owners to ensure long-term maintenance of stormwater quality facilities (since 2006).

Activities for the 2008-13 Permit Term

The stormwater permit requires that the permittees continue to regulate new development and redevelopment projects so that they incorporate measures to mitigate stormwater quality impacts. The 2008 stormwater permit includes new provisions to require a plan for mitigating the hydromodification impacts associated with new development in the permit area. (As described in more detail in Chapter 3, Section 3.8, when development occurs, it increases the volume and rate of runoff and therefore stream flow; these hydromodification impacts, in turn, can cause creek erosion and degrade habitat.) In addition, the 2008 stormwater permit includes a new provision specifying that the permittees require all priority new development and redevelopment projects to incorporate low impact development (LID) measures. Both new hydromodification and enhanced LID criteria will be incorporated into the updated *Stormwater Quality Design Manual for the Sacramento and South Placer Regions* by the Partnership.

Table 7.8-1 at the end of this chapter summarizes the activities that will be conducted for this program element during the 2008-13 permit term, along with associated performance standards, effectiveness assessment methods and a five-year implementation schedule. The table was developed to demonstrate compliance with Provisions 13-26 of the Stormwater Permit. This section describes the planned activities in more detail.

Development-Related Ordinances, Policies, Codes, Standards and Technical Guidance

Ordinances/Municipal Code

The City's stormwater ordinance (FMC 8.70) provides adequate authority to establish new requirements for development projects; no revisions to the ordinance are warranted.

Policies

The update of the City's General Plan is not currently scheduled, but will likely occur during the 2008-13 permit term. Water quality and watershed protection principles will be integrated into the General Plan during the update process as required by the stormwater permit. Once during the permit term, the City will also evaluate the CEQA initial study checklist and mitigation measure language used by City planners to condition development projects. Revised checklists and mitigation language will be submitted with annual reports as available.

Standards, Codes and Technical Guidance

The City will evaluate and amend its stormwater quality development standards to comply with new permit requirements during the 2008–13 permit term. The City will also complete its update of the City's Design and Procedures Manual and Standard Construction Specifications during 2009-10; these documents will make reference to the *Stormwater Quality Design Manual*. The City's standards are being updated to reflect evolving industry standards and regulations; copies of the updated documents will be submitted (or web links provided) in a future annual report when available.

The City will work with the Partnership to revise the *Stormwater Quality Design Manual* to include additional criteria for low impact development (LID) and hydromodification mitigation following the amendment of the development ordinances and standards. The hydromodification criteria are discussed in the next section. The City will contribute funding through the permittee cost-share agreement for the update of the design manual, and will provide staff to participate in steering committee meetings, review work products and attend meetings with/presentations to the development community. The City will also continue to contribute to the Partnership's efforts to update the protocol for acceptance of proprietary control measures; see Chapter 2 (Section 2.4) for more details.

Stormwater quality requirements need to be coordinated with other City and other agency codes and standards (such as those related to tree preservation/landscaping, water conservation, sanitary sewer and solid waste) in order to avoid conflict and overlap. The City stormwater manager will work with other local agencies through the Design Manual steering committee, and with Community Development and other affected city departments, to evaluate policies and codes for consistency.

Hydromodification Management Plan (HMP) and Low Impact Development (LID) Criteria

The City will work with the County and other permittees to satisfy the requirements of the stormwater permit with regards to the hydromodification management plan (HMP) and low impact development (LID). This includes contributing funding to regional HMP engineering studies necessary to develop HMP standards. Details about proposed work and implementation schedule are provided in the County's SQIP, Chapter 3, Section 3.8. Table 7.8-1 at the end of this section has been designed to be consistent with the County's work plan so that the City is committing to the same activities as the County and other permittees.

Waiver Program/Mitigation Fund

The City will work with other permittees to develop a waiver program/mitigation fund alternative for development projects where it is demonstrated that installing stormwater quality control measures is not feasible. The owners of projects that qualify for a waiver would pay into an in-lieu fund; the applicable local permitting agency would use the fund to conduct other stormwater quality control programs elsewhere in the affected watershed.

It is anticipated that the waiver program will be used where stormwater requirements conflict with other City objectives, particularly those reflected in "Smart Growth Projects". There is an inherent conflict between achieving the "Smart Growth" densification objectives and using space on these dense projects for above-ground stormwater conveyance, runoff reduction measures and stormwater quality treatment features. The City will continue to work with other organizations, such as the Sacramento Area Council of Governments (SACOG) to identify and resolve issues between stormwater requirements and Smart Growth objectives. The County is taking the first step to develop initial parameters for their potential waiver program. The City will review the results of the County's work and consider application to future development projects in Folsom.

Permitting and Plan Review (Entitlement) Process

Development and redevelopment projects in Folsom will continue to be conditioned for mitigation of stormwater impacts as shown on Figure 7.8-1 (Development Review Process). Community Development planning staff will continue to coordinate with Public Works engineers to ensure that development and redevelopment proposals comply with the adopted development standards. City staff will review initial development applications for conformance with the *Stormwater Quality Design Manual for the Sacramento and South Placer Regions*. Compliance with the development standards and the design manual will be a standing discussion item on the agenda for all pre-application meetings.

City planning staff will promote the voluntary use of runoff reduction, or LID, control measures on priority development projects as a means of mitigating downstream habitat and erosion impacts. Such measures will become mandatory for projects during the 2008-13 permit term.

The City will make sure that the same development standards applied to private development projects are adhered to for public projects.

Maintenance of Stormwater Quality Control Measures

The City will continue to ensure long-term maintenance of treatment control measures on private development by requiring maintenance agreements to be executed before the final approval of the project. A copy of the City's maintenance agreement can be found in Appendix 7C. Through the annual refresher training and other opportunities, the City will train its stormwater inspector and other construction inspectors to check for proper installation/operation of stormwater control measures before final acceptance of the project. For publicly-owned treatment facilities the City will continue to update its asset management GBA database to track inventory and inspection and maintenance activities. The City department that operates the facility is the department responsible for onsite maintenance of treatment facilities.

Outreach to Educate the Development Community

The Sacramento area development community includes developers, property owners, engineers, landscape architects, architects, environmental specialists, and others who plan and design projects in the public and/or private sectors. The City's effectiveness in reducing stormwater pollution from development in Folsom depends on the level of knowledge and understanding this community has regarding mitigation methods and stormwater requirements. The City therefore will continue to work collaboratively with the other permittees to share information with the development community and promote consistency across municipal boundaries. The City will continue to provide technical guidance and design support to help the development community comply with stormwater quality requirements.

The City will work with the other permittees to inform and engage the development community during the process to amend the development standards and update the *Stormwater Quality Design Manual*. This may include training/informational workshops and meetings with interested parties such as the BIA's stormwater committee. Throughout the 2008-13 permit term, the County, on behalf of the permittees, will continue to post information related to development standards and guidance on the Partnership web site: www.sacramentostormwater.org.

Employee Training

The City's stormwater manager and consultants provide annual refresher training with its various agencies and departments to make sure that staff consistently applies new development policies to private developments as well as to the design of City buildings and facilities and improvements in the public right of way.

Effectiveness Assessment

The general approach to assessing the effectiveness of the stormwater program and individual program elements is described in Chapter 2. Table 7.8-1 describes the assessment methods the City will use to more specifically evaluate the new development program element activities during the 2008-13 permit term. The goal will be to move toward outcome levels 2 and 3 (changing awareness and behavior, respectively, of agency staff and the private development/design community) for some tasks. The remaining tasks will continue to be evaluated at outcome level 1 (documenting and confirming permit compliance).


Key indicators have been selected for various tasks to demonstrate progression towards overall stormwater program goals for this particular element. A summary of the status of key indicators will be used to assess overall program effectiveness in the annual reports.

In addition to what is shown on Table 7.8-1, the City will continue to work with other permittees to fund several studies of the effectiveness of local stormwater control measures; see Chapter 2, Section 2.4 for more details.

Effectiveness assessment results will be presented in the annual reports and may be used to recommend modifications to the SQIP.

**Table 7.2-2 – City of Folsom SQIP
Program Management Element Work Plan for 2008-2013**

Activity/Task	Permit Ref	Key Indica	Performance Standard (Target)	Assessment Method	Schedule						Due Date/ Status/Other
					FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	
Stormwater Quality Improvement Plan (SQIP)											
Revise SQIP to address requirements of Stormwater Permit, Regional Board comments and public review	2		Original SQIP submitted June 2007. First revised SQIP submitted April 30, 2009. Second revised SQIP submitted September 22, 2009.	Confirmation- submit SQIP to Regional Water Board	◆						4/30/2009, 9/22/2009
Propose SQIP modifications as program evolves	3.c, 3.d		Any proposed SQIP modifications submitted to Regional Water Board as part of Annual Report	Confirmation- propose necessary SQIP modifications in AR		↔	↔	↔	↔	↔	Oct 1 each year following SQIP approval
Legal Authority											
Establish and maintain legal authority to control pollutant discharges	4, 5		Evaluate stormwater ordinance; document recommendations; if warranted revise ordinance for consistency with SQIP	Confirmation-include revised ordinance in AR			◆				1 year following RB approval of SQIP
Submit statement of legal authority from chief legal counsel to Regional Water Board	6		Submit statement of legal authority from chief legal counsel to Regional Water Board	Confirmation-include statement in 2009 SQIP	◆				◆		Submit with SQIP 4/30/09 and ROWD 3/2013
Funding											
Secure resources necessary to meet Stormwater Permit requirements	7		Secure sufficient budget to conduct all activities, fiscal summary submitted to Regional Water Board with Annual Work Plan	Confirmation- submit work plan to Regional Water Board	◆	◆	◆	◆	◆	◆	Submit with Work Plan, May 1 each year


 Ongoing activity/task
  Deliverable or key milestone
  Effectiveness assessment activity (expected outcome level indicated)

Notes: 1. Performance standards achieve effectiveness outcome level 1 unless otherwise indicated
 2. Assessing effectiveness of performance standards may be limited pending availability of baseline data

TABLE 7.2-2: 1

**Table 7.2-2 – City of Folsom SQIP
Program Management Element Work Plan for 2008-2013**

Activity/Task	Permit Ref	Key Indica	Performance Standard (Target)	Assessment Method	Schedule						Due Date/ Status/Other
					FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	
Training											
Continue to implement and make improvements to training program as necessary			Track training events and number of people participating	Confirmation – describe training accomplishments in AR	↔	↔	↔	↔	↔	↔	
Conduct surveys of training participants to assess effectiveness			See individual program elements, Sections 7.3-7.8								
Reporting											
Annual Work Plan											
Submit Annual Workplan	3a.		Prepare and submit workplan to Regional Water Board.	Confirmation- submit work plan to Regional Water Board	◆	◆	◆	◆	◆	◆	May 1 each year
Annual Report											
Describe completed activities and budget expended for previous fiscal year in AR	3.b		AR submitted to Regional Water Board	Confirmation - submit AR to Regional Water Board	◆	◆	◆	◆	◆	◆	October 1 each year
Report of Waste Discharge											
File a report of waste discharge (ROWD) 180 days before permit expiration	33		Submit ROWD to Regional Water Board	Confirmation- ROWD submitted to Regional Water Board by specified date					◆		ROWD due 3/2013

 Ongoing activity/task
  Deliverable or key milestone
  Effectiveness assessment activity (expected outcome level indicated)

Notes: 1. Performance standards achieve effectiveness outcome level 1 unless otherwise indicated
 2. Assessing effectiveness of performance standards may be limited pending availability of baseline data

TABLE 7.2-2: 2

**Table 7.2-2 – City of Folsom SQIP
Program Management Element Work Plan for 2008-2013**

Activity/Task	Permit Ref	Key Indica	Performance Standard (Target)	Assessment Method	Schedule						Due Date/ Status/Other
					FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	
Coordination											
Coordinate on program element basis with other City departments and outside agencies	1.b		Track coordination and intra-agency agreements	Tabulation - report number of meetings/groups coordinated with in AR	↔	↔	↔	↔	↔	↔	
Coordinate with outside groups and agencies outside of jurisdictional control	1.c		Track coordination efforts	Tabulation - report number of meetings/groups coordinated with in AR	↔	↔	↔	↔	↔	↔	
Program Effectiveness											
Once a permit term: Estimate pollutant loads and evaluate water quality trends in receiving waters	29		Submit information with ROWD (see Chapter 2, Section 2.3 for more details)	Confirmation- submit ROWD and final AR to Regional Water Board					◆		Submit with ROWD 3/2013
			Submit information in final AR for permit term							◆	Submit with Final AR 10/1/2013
Annually: Measure and report program element and activity effectiveness	29		Submit effectiveness Assessment results with AR each year	Confirmation- include effectiveness assessment results in AR	◆	◆	◆	◆	◆	◆	Oct 1 each year
Long Term Effectiveness Assessment (LTEA)											
Describe proposed LTEA for programmatic and environmental goals	29.d		Submit LTEA to Regional Water Board (see Chapter 2, Section 2.3 for more details)	Confirmation - LTEA submitted to Regional Water Board by specified date					◆		Submit with ROWD 3/2013




NA: Not Applicable; AR: Annual Report; ROWD: Report of Waste Discharge

↔ Ongoing activity/task ◆ Deliverable or key milestone 2 Effectiveness assessment activity (expected outcome level indicated)

Notes: 1. Performance standards achieve effectiveness outcome level 1 unless otherwise indicated
2. Assessing effectiveness of performance standards may be limited pending availability of baseline data

**Table 7.3-1 – City of Folsom SQIP
Construction Element Workplan for 2008-2013**




Activity/Task	Permit Ref	Key indica	Performance Standard (Target)	Assessment Method	Schedule						Due Date/ Status/Other
					FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	
Legal Authority											
Evaluate/Revise Stormwater Ordinance	8.a.i		Evaluate ordinance; document recommendations; if warranted revise ordinance for consistency with SQIP	Confirmation - report revisions in AR			◆				1 year following SQIP approval
Evaluate/Revise Grading and Hillside Development Ordinance	8.a.i		Evaluate ordinance; document recommendations; if warranted revise ordinance for consistency with Construction General Permit (CGP)	Confirmation - report revisions in AR			◆				1 year following CGP effective date
Plan Review and Permitting											
Review Improvement Plans and issue grading permits consistent with City requirements	8.a.ii, 8.a.ii, 8.c.v	✓	Track number of Grading permits issued; document no. of plans which incorporated ESC controls	Tabulation - no. plans incorporating ESC properly is measure of changed behavior of contractors/engineers	↔	↔ 3	↔ 3	↔ 3	↔ 3	↔ 3	
Verify that environmental permits have been obtained from agencies such as DFG (1600), U.S. Army Corps (404), and Regional Water Board (401 Cert)	8.d		Request/include copy of other permits from the other agencies with project approval paperwork	Confirmation	↔	↔	↔	↔	↔	↔	
Track Grading Permits that require coverage under the State C.G.P.	8.a.ii, 8.c.v.a		Document number of sites greater than or equal to one acre that submitted proof of an NOI and that a SWPPP has been developed.	Tabulation - report in AR	↔	↔	↔	↔	↔	↔	

 Ongoing activity/task
  Deliverable or key milestone
  Effectiveness assessment activity (expected outcome level indicated)

Notes: 1. Performance standards achieve effectiveness outcome level 1 unless otherwise indicated
 2. Assessing effectiveness of performance standards may be limited pending availability of baseline data

**Table 7.3-1 – City of Folsom SQIP
Construction Element Workplan for 2008-2013**




Activity/Task	Permit Ref	Key indica	Performance Standard (Target)	Assessment Method	Schedule						Due Date/ Status/Other
					FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	
Standards and Specifications/BMPs for Controlling Sediment and Pollutants											
Implement standards and specifications to require BMPs for construction sites	8.a.iii, 8.c.i-iv		Evaluate standards; document recommendations; if warranted revise standards for consistency with CGP	Confirmation – report revisions in AR	↔	↔	↔◆	↔	↔	↔	1 year following CGP effective date
Inspections and Enforcement											
Track active construction sites and conduct routine inspections according to prioritized threat to water quality	8.a.iii - vi, 8.e		Document number and location of public and private sites subject to Construction General Permit as well as local erosion and sediment controls.	Confirmation - track number of sites and inspections, report in AR's	↔	↔	↔	↔	↔	↔	
Conduct enforcement actions for sites in violation of City and/or Regional Water Board requirements	8.a.vii		Track and document number and types of corrective and enforcement actions	Confirmation - track and report in AR	↔	↔	↔	↔	↔	↔	
Notifications to the Regional Water Board											
Refer projects to RWQCB that are disturbing 1 acre or more and can not verify NOI or WDID	8.a.vii		Report non-filers to RWQCB within five business days.	Confirmation - document referrals made to RWQCB	↔	↔	↔	↔	↔	↔	
Track and report repeat offenders (3 or more violations) to Regional Water Board	8.a.vii	✓	Decrease in number of repeat offenders/chronic violations to Regional Water Board	Confirmation - track referrals; record in AR	↔	↔	↔	↔	↔3	↔	Conduct EA in 12/13 before ROWD

 Ongoing activity/task
  Deliverable or key milestone
  Effectiveness assessment activity (expected outcome level indicated)

Notes: 1. Performance standards achieve effectiveness outcome level 1 unless otherwise indicated
 2. Assessing effectiveness of performance standards may be limited pending availability of baseline data

**Table 7.3-1 – City of Folsom SQIP
Construction Element Workplan for 2008-2013**

Activity/Task	Permit	Key	Performance Standard (Target)	Assessment Method	Schedule						Due Date/ Status/Other
	Ref	indica			FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	
Pollution Control at City Construction Projects and Other Projects by Special Districts and Others out of the City's Jurisdiction											
Obtain coverage under the State General Construction Permit for City Construction Projects disturbing 1+ acres	8.c.v.a, 10.a.ii		All projects disturbing 1+ acres will have coverage. Document WDID numbers for covered City projects.	Tabulation - Report City projects with coverage in AR	↔	↔	↔	↔	↔	↔	
Include provisions in contract specifications to ensure stormwater pollution prevention for City construction projects	8.c, 10.a.ii		Evaluate existing contract language; document recommendations; if warranted revise specifications for consistency with CGP. Discuss requirements in annual refresher training for City project managers.	Confirmation - report updates in AR	↔	↔	↔◆	↔	↔	↔	1 year following CGP effective date
Conduct inspection and enforcement at City construction projects	8.a.iii - vi, 8.e, 10.a.ii		Track and document projects and types of corrective and enforcement actions	Confirmation - track and report in AR	↔	↔	↔	↔	↔	↔	
Coordinate with utilities, special districts (e.g., schools, RT, parks) and others to ensure compliance with Stormwater Ordinance			Document coordination activities	Confirmation	↔	↔	↔	↔	↔	↔	

 Ongoing activity/task
  Deliverable or key milestone
  Effectiveness assessment activity (expected outcome level indicated)

Notes: 1. Performance standards achieve effectiveness outcome level 1 unless otherwise indicated
 2. Assessing effectiveness of performance standards may be limited pending availability of baseline data

**Table 7.3-1 – City of Folsom SQIP
Construction Element Workplan for 2008-2013**

Activity/Task	Permit Ref	Key indica	Performance Standard (Target)	Assessment Method	Schedule						Due Date/ Status/Other
					FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	
Education and Training											
Conduct annual refresher training for City staff involved in construction	8.a.viii		Conduct training annually to targeted City employees	Tabulation - Track training activities performed	◆	◆	◆	◆	◆	◆	
Produce literature for construction community	8.a.viii		Send out a wet season procedure letter to inventory of active construction sites. Wet season is defined as October 1 to April 30.	Confirmation – document number of construction sites outreached	↔	↔	↔	↔	↔	↔	
Sponsor training events (e.g., pre wet season forums) for the construction community	8.a.viii, ix	✓	Increased awareness of construction community as a result of training	Surveys-measure raised awareness based on quizzes/surveys at training events		2	2	2	2	2	

↔ Ongoing activity/task ◆ Deliverable or key milestone 2 Effectiveness assessment activity (expected outcome level indicated)

Notes: 1. Performance standards achieve effectiveness outcome level 1 unless otherwise indicated
2. Assessing effectiveness of performance standards may be limited pending availability of baseline data

**Table 7.5-1 – City of Folsom SQIP
Municipal Operations Element Workplan for 2008-2013**

Activity/Task	Permit	Key	Performance Standard (Target)	Assessment Method	Schedule						Due Date/ Status/Other
	Ref	Indica			FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	
Illicit Discharge Response											
Respond quickly and appropriately if an illicit discharge threatens to enter or enters the storm drain system	10.a.i.		Refer to Illicit Discharge (Section 7.6) Element		↔	↔	↔	↔	↔	↔	
Stormwater Pollution Control for Construction and Development of City-Owned Projects											
Implement standards that require BMPs to reduce pollutants from Permittee owned development and construction projects as specified in the New Development and Construction Elements	10.a.ii., 10.b.i		Refer to Construction (Section 7.3) and New Development (Section 7.8) Elements		↔	↔	↔	↔	↔	↔	
Facility Management											
Implement pollution prevention BMPs for public facilities (e.g., corporation yards, material storage facilities, and vehicle/equipment maintenance facilities) having the potential to discharge pollutants to the storm drain system.	10.a.iii. , 10.b.ii.		Continue to ensure compliance with municipal SWPPP at Kemp Facility (Parks); update SWPPP when site conditions warrant; discuss at annual training	Confirmation	↔	↔	↔	↔	↔	↔	

 Ongoing activity/task
  Deliverable or key milestone
  Effectiveness assessment activity (expected outcome level indicated)

Notes: 1. Performance standards achieve effectiveness outcome level 1 unless otherwise indicated
 2. Assessing effectiveness of performance standards may be limited pending availability of baseline data

**Table 7.5-1 – City of Folsom SQIP
Municipal Operations Element Workplan for 2008-2013**

Activity/Task	Permit	Key	Performance Standard (Target)	Assessment Method	Schedule						Due Date/ Status/Other
	Ref	Indica			FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	
Integrated Pest Management											
Implement integrated pest management (IPM) and pesticides storage, usage, and disposal procedures as described in the Pesticide Plan	10.a.iv. , 10.b.iii.		Decrease amount of pesticides and herbicides used by City staff and contractors	Confirmation - Track IPM activities	↔	↔	↔	↔	↔	↔	
Storm Drain System Maintenance											
Maintain the storm drain system (e.g., drain inlets, ditches/channels, detention basins and pump stations) to remove debris accumulation and prevent flooding	10.a.v. , 10.b.iv.	✓	Decrease amount of sediment discharged to waters of the State.	Quantification - Track quantities of sediment removed annually as measure of pollution abated	↔ 4	↔ 4	↔ 4	↔ 4	↔ 4	↔ 4	
Maintain detention basins to maintain performance, remove debris and prevent flooding	10.a.v, 10.b.vii		Continue maintenance of City owned water quality/detention basins based on field crews' recommendations	Track activities; report in AR	↔	↔	↔	↔	↔	↔	
			Review, update and improve existing detention basin maintenance guidelines and practices for City-owned basins. Consider assigning priorities and adding inlet/outlet inspection to zones	Confirmation - Provide copy of guidelines, verification of maintenance and any updates with the Annual Reports.		◆					
			Provide support related to the development of maintenance practices for new and existing water-quality detention basins that are managed by Home Owner Associations (HOAs), or other private entity	Confirmation - Track and report in Annual Reports	↔	↔	↔	↔	↔	↔	
			Require Maintenance Agreements for all newly planned and constructed water quality/detention basins owned by others.	Confirmation - Track and report in Annual Reports	↔	↔	↔	↔	↔	↔	

 Ongoing activity/task
  Deliverable or key milestone
  Effectiveness assessment activity (expected outcome level indicated)

Notes: 1. Performance standards achieve effectiveness outcome level 1 unless otherwise indicated
 2. Assessing effectiveness of performance standards may be limited pending availability of baseline data

**Table 7.5-1 – City of Folsom SQIP
Municipal Operations Element Workplan for 2008-2013**

Activity/Task	Permit	Key	Performance Standard (Target)	Assessment Method	Schedule						Due Date/ Status/Other
	Ref	Indica			FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	
Storm Drain Inlet Marking											
Ensure that storm drain inlets are properly marked to discourage illicit discharges; Replace illegible markers with new markers	10.a.vi		Document number of storm drain inlets labeled/replaced by City Crews and number marked by private development	Tabulation - Track number of inlets marked each year	↔	↔	↔	↔	↔	↔	
Operation and Maintenance of Transportation Facilities											
Street Sweeping for Curbed Streets											
Continue to implement street sweeping program	10.a.vii. , 10.b.v.	✓	Decrease amount of sediment discharged to waters of the State. Document amount of sediment removed	Quantification - Track quantities of sediment removed annually as measure of pollution abated	↔ 4	↔ 4	↔ 4	↔ 4	↔ 4	↔ 4	
BMP's for Roads Maintenance Activities											
Prevent road maintenance materials, street sweeper rinse out water, concrete chute rinse water, and saw cutting slurry from discharging to the storm drain system.	10.a.vii. , 10.b.v.		Implement BMPs during road maintenance and construction activities	Confirmation / Inspection - Identify BMPs implemented	↔	↔	↔	↔	↔	↔	
Maintenance of City-Owned Parking Loat											
Maintain City-owned parking facilities to minimize the build-up and discharge of pollutants to the storm drain system	10.a.vii. , 10.b.v.		Document number of parking lots maintained and type of maintenance performed	Tabulation - Track number of facilities and activities performed	↔	↔	↔	↔	↔	↔	
Roadside Vegetation Maintenance											
Continue to maintain roadside vegetation, public ROW landscaping and L&L's using proper BMP's to prevent stormwater pollution			Integrate River Friendly Landscaping and Green Gardner Principles into maintenance practices	Confirmation / Inspection - Identify BMPs implemented	↔	↔	↔	↔	↔	↔	




↔ Ongoing activity/task ◆ Deliverable or key milestone 2 Effectiveness assessment activity (expected outcome level indicated)

Notes: 1. Performance standards achieve effectiveness outcome level 1 unless otherwise indicated
2. Assessing effectiveness of performance standards may be limited pending availability of baseline data

TABLE 7.5-1: 3

**Table 7.5-1 – City of Folsom SQIP
Municipal Operations Element Workplan for 2008-2013**

Activity/Task	Permit	Key	Performance Standard (Target)	Assessment Method	Schedule						Due Date/ Status/Other
	Ref	Indica			FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	
Fire Emergency and Non-Emergency Response and Operations											
Permittees having a fire protection agency within their jurisdictional control shall develop and implement a response plan to minimize the impacts of fire fighting flows to the environment.	10.a.ix. , 10.b.ix.		Review existing practices for non-emergency training and maintenance activities, report written guidelines for BMP implementation to minimize the impacts of non emergency firefighting flows to the environment.	Confirmation - Provide copy of BMP guidelines, verification of training and any updates with the Annual Reports.		↔ ◆					
			Review existing emergency response practices and develop a response plan for emergency fire fighting discharges into the MS4.	Confirmation - Provide copy of response plan, verification of training and any updates with the Annual Reports.		↔ ◆					
Employee Training											
Provide regular internal training on applicable components of the SQIP	10.a.x. , 10.b.x		Conduct training annually to targeted City employees	Tabulation - Track training activities performed	◆	◆	◆	◆	◆	◆	
	10.a.xi.	✓	Maintained/Increased awareness of available BMPs and pollution prevention practices, as measured by quizzes during training	Surveys - Measure raised awareness based on quizzes		2	2	2	2	2	

 Ongoing activity/task
  Deliverable or key milestone
  Effectiveness assessment activity (expected outcome level indicated)

Notes: 1. Performance standards achieve effectiveness outcome level 1 unless otherwise indicated
 2. Assessing effectiveness of performance standards may be limited pending availability of baseline data

**Table 7.6-1 – City of Folsom SQIP
Illicit Discharge Element Workplan for 2008-2013**

Activity/Task	Permit Ref	Key Indica	Performance Standard (Target)	Assessment Method	Schedule						Due Date/ Status/Other
					FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	
Legal Authority											
Evaluate/Revise Stormwater Ordinance	11.a.i		Evaluate ordinance; document recommendations; if warranted revise ordinance for consistency with SQIP	Confirmation - report revisions in AR			◆				1 year following SQIP approval
Reporting of Illicit Discharges											
Continue to utilize Partnership public hotline (808-4H20) for reporting of illicit discharges and connections, and route callers to the City for assistance on City-related issues or complaints	11.a.ii ; 11.b.v		Maintain hotline at all times; use database to track follow-up actions	Tabulation - Track number of complaints received/responded to; report in AR	↔	↔	↔	↔	↔	↔	Reported in AR yearly
Ongoing Field Screening for Illicit Discharges and Connections											
Continue to conduct ongoing field screening for illicit connections through routine maintenance activities being conducted by field crews	11.a.ii ; 11.b.ii	✓	Decrease in number of illicit connections detected by field screening activities since last permit term	Tabulation - Report number of illicit connections detected via field screening activities in AR	↔	↔	↔	↔	↔ 3	↔	Reported in AR yearly, EA due 12/13
Investigations of Illicit Discharges and Connections											
Investigate illicit discharges	11.a.iv ; 11.b.iii		Non-hazardous illicit discharges investigated within 5 days of discovery or report, hazardous illicit discharges investigated within 1 day of discovery or report	Confirmation - Include number of illicit connection investigations conducted in AR	↔	↔	↔	↔	↔	↔	Reported in AR yearly
	11.a.vi, 11.b.vii	✓	Increase in number of illicit discharges investigated since last permit term	Tabulation - increase in invest. is measure of increased awareness of City staff					3		EA due 12/13
Investigations of illicit connections	11.a.iii ; 11.b.ii		Illicit connections investigated within 21 days of discovery or report	Confirmation - Include number of illicit connection investigations conducted in AR	↔	↔	↔	↔	↔	↔	Reported in Are yearly

 Ongoing activity/task
  Deliverable or key milestone
  Effectiveness assessment activity (expected outcome level indicated)

Notes: 1. Performance standards achieve effectiveness outcome level 1 unless otherwise indicated
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**Table 7.6-1 – City of Folsom SQIP
Illicit Discharge Element Workplan for 2008-2013**

Activity/Task	Permit Ref	Key Indica	Performance Standard (Target)	Assessment Method	FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	Due Date/ Status/Other
Illicit Discharge Response, Containment and Cleanup											
Investigation/Inspection and Follow-up procedures	11.b.iii		Documented procedures; ensure affected City staff are aware (via annual refresher training)	Confirmation - document procedures in AR	↔ ♦	↔	↔	↔	↔	↔	Reported in AR yearly, update due 09/10
Respond to, contain and clean up illicit discharges & conncections	11.a.iv ; 11.b.ii, 11.b.iii	✓	Increase in number of responses, containment and cleanup of illicit discharges since last permit term	Tabulation - track number of illicit discharge responses	↔	↔	↔	↔	↔ 3	↔	Reported in AR yearly, EA due 12/13
Enforcement											
Conduct enforcement (e.g., warnings, NOVs, Cease and Desist Orders, ACPs, and Cost Recoveries)	11.b.iv	✓	Decrease in number of enforcement actions since last permit term	Tabulation - Track number and type of enforcement actions	↔	↔	↔	↔	↔ 3	↔	Reported in AR yearly, EA due 12/13
Data Management											
Continue to maintain database to track investigations, enforcement actions and outreach materials distributed	11.a.v		Database used to compile/report data each year	Confirmation - Submit data and report any database updates in AR	↔	↔	↔	↔	↔	↔	Reported in AR yearly
Map the locations of confirmed illicit discharges and connections to help identify areas of targeted outreach			Map updated once a year	Confirmation - Submit map and report revisions in AR	♦	♦	♦	♦	♦	♦	Reported in AR yearly
Outreach/Training											
Continue to distribute educational materials to public, and document/quantify materials distributed			Tabulate number of individuals that received outreach materials	Tabulation - Track number of brochures distributed	↔	↔	↔	↔	↔	↔	Reported in AR yearly
Provide training to storm drain system maintenance crews and illicit discharge response crews annually	11.b.vi		Track number of City employees trained each year	Tabulation - Track number of workshops held, number of people reached	↔	↔	↔	↔	↔	↔	Reported in AR yearly
			Maintained/Increased employee awareness as measured by quizzes during annual training	Surveys – measure raised awareness based on quizzes at training events		2	2	2	2	2	EA due 12/13
Facilitation of Proper Household Hazardous Waste Disposal											
Maintain operation of the City's household hazardous waste pickup program		✓	Sustained quantities of household hazardous waste collected from public since previous permit term	Tabulation - track quantities of waste collected	↔	↔	↔	↔	↔ 3	↔	Reported in AR yearly, EA due 12/13

↔ Ongoing activity/task ♦ Deliverable or key milestone 2 Effectiveness assessment activity (expected outcome level indicated)

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**Table 7.7-1 – City of Folsom SQIP
Public Outreach Element Workplan for 2008-2013**

Activity/Task	Permit	Key	Performance Standard (Target)	Assessment Method	Schedule						Due Date/
	Ref	Indica			FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	Status/Other
This table describes City-specific activities only. Refer to Chapter 2 (Section 2.6) for additional activities conducted on regional basis by the Partnership.											
Public Outreach Implementation											
Outreach to General Public	12.a.i, iii; 12b.i,iii										
Maintain Folsom stormwater web site			Submit updated web page link with annual reports	Confirmation	↔	↔	↔	↔	↔	↔	
Publish stormwater-related articles in City newsletter and newspaper; include City stormwater contact number/web site			Increase in public awareness as determined by public inquiries following publication	Tabulation - track numbers of callers; types of information provided	↔	↔	↔	↔	↔	↔	
Promote stormwater pollution prevention at annual Folsom community events			Document activities and no. people reached	Tabulation- report no. people reached each year	↔	↔	↔	↔	↔	↔	
Partner with other city departments to combine messages and co-sponsor events			to be determined based on activity; see annual reports	to be determined							
Maintain stormwater display at Folsom Zoo.			Educate about 1000 zoo visitors annually (primarily children, students, parents)	Tabulation- report no. visitors each year	↔	↔	↔	↔	↔	↔	
Identify new potential sites for "no dumping" signage along creeks and other areas prone to illegal dumping			Place signs at all new problem areas identified by City maintenance crews	Tabulation - track locations/numbers of signs; Inspections - observe decrease in dumping	↔	↔	↔	↔	↔	↔	
Outreach to Community Groups	12.a.i, iii; 12b.i,iii										
Sponsor and support the Adopt-a-Creek/Trail (ACT; formerly Folsom Creek Watchers) program to engage local scout troops and the Friends of Folsom Parkway volunteers			Document activities and no. people reached	Tabulation- # events, # participants, weight of trash removed, \$ amount of grants received	↔	↔	↔	↔	↔	↔	
	✓		Support adoption of 25% of Folsom creeks/trail system over the course of the permit	Tabulation- # miles adopted					3		Coduct EA in 12/13 before ROWD

↔ Ongoing activity/task ◆ Deliverable or key milestone 2 Effectiveness assessment activity (expected outcome level indicated)

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**Table 7.7-1 – City of Folsom SQIP
Public Outreach Element Workplan for 2008-2013**

Activity/Task	Permit Ref	Key Indica	Performance Standard (Target)	Assessment Method	Schedule						Due Date/ Status/Other
					FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	
<i>Outreach to City Employees, Managers and Elected Officials</i>	12.a.i, iii; 12b.i,iii										
Maintain CASQA Membership			Maintain CASQA Membership	Confirmation of activity completed each year	↔	↔	↔	↔	↔	↔	
Provide presentations and informational memos to City Manager's Office, City Council and Planning Commission			Keep City management and elected/appointed officials educated/informed of important events and regulatory changes/impacts to City.	Confirmation of activity completed each year	↔	↔	↔	↔	↔	↔	
Public School Education											
Encourage Folsom schools to participate in the SYRCL school assembly and SPLASH educational programs	12.a.iv., 12.b.iv.		See Chapter 2, Section 2.6 for details	Tabulation-track # students participating in programs each year	↔	↔	↔	↔	↔	↔	
Conduct classroom presentations for Folsom HS & Folsom MS classes.			Increased awareness of stormwater/watershed issues with students and teachers	Tabulation-track # students participating each year.	↔	↔	↔	↔	↔	↔ 2	
Sponsor interactive stormwater booth at City of Folsom Public Works Day event			Increased awareness of stormwater/watershed issues with students and teachers	Tabulation-track # students reached each year	↔	↔	↔	↔	↔	↔ 2	
Business Outreach											
<i>Development Community and Commercial/Industrial Community</i>	12.a.v., 12.b.v.		Refer to Sections 7.3, 7.4 and 7.8								
Watershed Stewardship											
Continue to administer and manage the Alder Creek Watershed Grant Project			Completed watershed management plan submitted to State DWR and available for stakeholders and development community	Confirmation	↔	↔ ♦					Project completion in 09/10 FY
Pursue additiional Alder Creek Watershed grant and funding opportunities as they arise			Completed grant applications, etc.	Tabulatin - track additional funding secured	↔	↔	↔	↔	↔	↔	

↔ Ongoing activity/task ♦ Deliverable or key milestone 2 Effectiveness assessment activity (expected outcome level indicated)

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**Table 7.8-1 – City of Folsom SQIP
New Development Element Workplan for 2008-2013**

Activity/Task	Permit Ref	Key Indicator?	Performance Standard (Target)	Assessment Method	Schedule						Due Date/ Status/Other Notes
					FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	
Incorporation of Water Quality Protection Principles into Plans, Policies and Procedures											
Update stormwater quality language in the General Plan	13.a, 16		Update permit-specified sections of the General Plan to include stormwater quality protection principles.	Confirmation – report revisions in AR		↔	↔	↔	↔	↔	Date for GP update is uncertain
Development of Standards and/or Guidance											
Develop Low Impact Development (LID) design criteria	15.b		Amend development standards to require implementation of LID strategies.	Confirmation - report revisions in AR	↔	↔	↔ ♦				6 months after approval of Phase 1 HMP
	15.b, 26		Reflect LID criteria in the updated Stormwater Quality Design Manual.	Confirmation - report revisions in AR	↔	↔	↔	♦			6 months after amending the development standards.
Develop HMP Work plan as part of the revised SQIP.	15.c		Partnership will outline the proposed steps to develop the HMP and possible technical methodologies to design the mitigation measures.	Confirmation - develop HMP work plan and pilot project. Submit work products to Regional Water Board.	♦	♦					Submitted draft 4/30/09. Submitted revision 9/22/09
Develop HMP	15.c		Partnership will develop an applicability map showing where hydromodification management measures will apply in Sacramento. Develop interim criteria to comply with the hydromodification requirements.	Confirmation - Submit work products to Regional Water Board		↔	♦				1 year after approval of the HMP work plan
			Develop susceptibility map and mitigation measures based on detailed risk analysis	Confirmation - Submit work products to Regional Water Board			↔	↔			

 Ongoing activity/task
  Deliverable or key milestone
  Effectiveness assessment activity (expected outcome level indicated)

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**Table 7.8-1 – City of Folsom SQIP
New Development Element Workplan for 2008-2013**

Activity/Task	Permit Ref	Key Indicator?	Performance Standard (Target)	Assessment Method	Schedule						Due Date/ Status/Other Notes
					FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	
Amend development standards to require hydromodification management for development projects	15.c, 26		Amend development standards (interim HMP design criteria based on Phase 1 work)	Confirmation - report revisions in AR			◆				6 months after approval of Phase 1 HMP.
			Reflect hydromodification criteria in the updated Stormwater Quality Design Manual.	Confirmation - report revisions in AR			↔	◆			6 months after amending the development standards.
			Amend design manual to incorporate final HMP design criteria based on Phase 2 work	Confirmation - report revisions in AR					↔		6 months after finalizing the HMP
Evaluate need for a mitigation fund	19		Document results of evaluation process. If results warrant, develop a mitigation fund framework to support regional stormwater projects.	Confirmation – develop framework when needed and submit to Regional Board.							
Develop a waiver program	20		Propose a waiver program that would require developers with qualified projects to transfer the savings in cost to a stormwater mitigation fund. Waivers shall be granted only when structural treatment control measures are infeasible.	Confirmation - develop a waiver program and describe activities in revised SQIP.	↔	↔	↔	◆			
Protect groundwater quality	23		Apply restrictions to the use of structural treatment measures which are designed to function as infiltration devices in areas of high ground water table.	Confirmation - identify restrictions and incorporate into the design criteria.	↔	↔	↔	↔	↔	↔	
Conditions of Approval and Plan Review											

↔ Ongoing activity/task ◆ Deliverable or key milestone 2 Effectiveness assessment activity (expected outcome level indicated)

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**Table 7.8-1 – City of Folsom SQIP
New Development Element Workplan for 2008-2013**

Activity/Task	Permit Ref	Key Indicator?	Performance Standard (Target)	Assessment Method	Schedule						Due Date/ Status/Other Notes
					FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	
Condition projects to comply with stormwater quality development standards at various stages of the approval process.	13.b-d, 13.f, 14, 15, 17		Track and record number of projects conditioned.	Tabulation - track number of projects conditioned and report in Annual Report.	↔	↔	↔	↔	↔	↔	
Condition projects to comply with LID requirements	15.b		Condition priority development projects to incorporate low impact development strategies.	Tabulation – track number of projects conditioned and report in Annual Report.				◆ ↔	↔	↔	
Condition projects to comply with HMP requirements	15.c		Condition priority development projects located in susceptible areas to incorporate hydromodification management measures.	Tabulation – track number of projects conditioned and report in Annual Report.				◆ ↔	↔	↔	
Develop a database to track priority projects that have been issued a permit to construct treatment control measures.	22		Update database of priority projects	Tabulation - track number of projects that completed the construction of treatment control measures and report in Annual Reports.	↔	↔	↔	↔	↔	↔	
	13.i	✓	Increase in number of projects that incorporated stormwater quality measures.	Tabulation - Compare # of acreage treated and preserved, to total acreage of project and report in Annual Report.			3	3	3	3	
Stormwater Maintenance Agreement											

 Ongoing activity/task
  Deliverable or key milestone
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**Table 7.8-1 – City of Folsom SQIP
New Development Element Workplan for 2008-2013**

Activity/Task	Permit Ref	Key Indicator?	Performance Standard (Target)	Assessment Method	Schedule						Due Date/ Status/Other Notes
					FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	
Require developments to provide verification of maintenance provisions for post-construction structural and treatment control measures.	13.b, 13.e, 18		Require maintenance agreements for on-site stormwater quality control measures (recorded with deed)	Tabulation and Confirmation – track number of executed maintenance agreements and report in Annual Report.	↔	↔	↔	↔	↔	↔	
Outreach and Training											
Conduct outreach to the development community about the latest stormwater quality policies and requirements.	24		Continue outreach to development community, incl. BIA meetings, workshops, etc.	Tabulation - track activities; no. people reached	↔	↔	↔	↔	↔	↔	
	13.i	✓	Maintained/increased awareness of stormwater quality requirements and criteria with development community	Surveys – measure raised awareness based on quizzes/surveys at training events		2	2	2	2	2	
Provide annual training to employees in targeted positions.	13.h, 25		Conduct annual refresher training to affected staff.	Tabulation – track number of employees trained and report outcome in the Annual Report.	◆	◆	◆	◆	◆	◆	
	13.i	✓	Increase awareness of targeted employees about stormwater quality requirements.	Tabulation – Estimate raised awareness based on surveys or available research data		2	2	2	2	2	

↔ Ongoing activity/task ◆ Deliverable or key milestone 2 Effectiveness assessment activity (expected outcome level indicated)

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